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APPENDIX IV -(CONTINUED)

Questions proposed by the Commission, and Replies by Officers of the Army in India

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N II —The replox of all offices have been arranged under the heads of the several questions to which their relate the questions been, pended a larger type than the numeror. Repl as have not been recoved from every offices addressed tail some of these who have survered have not found it pended to send replate to every questions.

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MEDICAL

1 What are the statistics of invaliding and mortality of Native regiments stationed in Lower Bengal ℓ

Surgeon General J. P. Busheau M.D. Indian Med val Department.

Less favorable than those for the entere Native army in the Bengal presidency, but, after all, not very markedly so, if one set of lines at Burriels ore are left out of the account. The difference in the relative figures is not such as to lead to the conclusion that, as at present constatuted, the Bengal Native army may not be freely employed in Lower Bengal It was an old custom, possibly quite as much due to half batta as to very unfavorable outal statistics, to keep no regiment longer than two years at one period in Bengal but I believe the doctrine of health deterioration has been absuidly over-estimated. In 1875 the 10th Regiment suffered most heavily at Byrracknore-according to one view, from the charate of Bengal, according to another, from under feeding and generally it was believed that another year in Bengal would annihilate the regiment. This view, however, did not find acceptance at army head quarters, or circumstances made transfer impracticable. and the regiment to this hour is in Bengal, at Bairtickpere and Dacca. and m very good form!

It was a furturate encountstance that the regression was not moved up country, or its present state of health would unquestountly have been drootly statistical to removal from the mounts durate of Lover Beegal, and bese sted in all time coming, as proof of the superior washom of the former plan of making the tour of service in Lover Beegal astractly hunted one of two years A detailed figured statement is appended to show the lesses among the troops in Lover Beegal from the serval causes commended and

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Dr G Senth MB Surgeon General Indian Medical Services

A tabular statement is appended (appendix A) which embodies the information called for an questions I and 2 Speaking generally Bengal is one of the most healthy of the military commands of the Midras army A wurm, dry sheltered and non-malurul chunte best sufs the con-

statution of the Madras sepoy at the same tame expensence shows that if well fed, well clothed, and well sheltered, he is able to resist not unsuccessfully, severe cold and heat The medical experience of three companies of the Madras suppers and minutes in Afgirinistan (1878 79) may be adduced in illustration of this tien. The B, C and K companies of Sai pers and Miners served with the Peshawu Field Force from December 1878 to July 1879 melusive. Their amous setter who the Federal pulsar public and provide followers, of 10 s number, 23 were aggregeted stageth amounted to 614, metabling public and provide followers, of 10 s number, 23 were European commissioned and wramat officers. During the nine months referred to there were 288 admissions to measure of the commissioned and provide a commissioned and provide the commissioned and provide

affections, we find in-Dece thei - Light admissions from ague, two from bronchites and two from dimines

January -S ricen from ague, three from bronchuse, five from dyseniers and five from remutient favor

Petruary -Nine from remattent fever, sax bromehates, two from pneumonia, and four from dysentery. March - Turce from bronchitis, five from resultent fever and four from dysentery

A; nd -Two from agne four from sample continued fever, and eight from general debility (se, unable to accompany a possible rapid much to Cabal), seven from diarrhees, and two from dysentery May -One from remittent fever, four from snaple continued fever, five from diarrhes and three

from disentery

Jane—(Eighteen from ekolera) Eight from remittentsever, sive from diarrhea, one from ague, and one from sample continued fever

July—(One from choices) Two from remittent fever and one from dustrhoss. The arrange daily sed, of the time compones were 130 d. Mortally —11 casualizes from choises, 2 from remittent fever, 3 from broachite, 1 from disease of heart, 1 from pastments and 3 from accident. Evoluting the choices and accident cases the deaths aggregated? A month follower there was 4 deaths from choices, 3 from mentited free; 1 from agae, and 1 from pastments. The suppress of these companies had been variety selected by the medical officer in the first place, and the results power percoded show that time of this stamp many of whom are most exten, are able to hear with a fair since of the state of the state of the states of the severely columns. July — (One from cholera) Two from remittent fever and one from diarrhos able hert of Afghanistan The same agencies which would certainly produce inefficiency in troops of other races will prove equally potent in the case of the Madras sepor, as shown in the experience of a wing of the 80th Madras Native Infantiy at Vitakri in Belnehistan

That wing is at present presented with severe fever, diarrhora and scurvy, the result of hard work, exposure, malaria, searcity of fresh vegetables, and of a bad supply of water and lations

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2 What are the statistics of invaliding and mortality of Madras Native infantry regiments in the North-Western Promes and in the Central Provinces?

Sargeon General J F Beatson M p Ind an Modical Department I wm not able to gave any information about the Madies Nature requireds employed in the North Western Front v. 28 no returns are made to the colline connected with them. But the impression formod from it o persons of the Madies suny reports as that the health of that port on employed in the Costal Froncess is smaller better than that of the entace Nature army of Madies are the stat states of the Bengal Nature and the Madies and the state states of the Bengal Nature army shanced in the Upper Provinces are better than there of the garmachs of Lower Bengal and Assam

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Is there any advantage in Leeping up a separate purveyor's establishment for hospitals ?

Surgeon General J Ker Innes Beish Medeal Department, and Principal Medeal Officer British Forces in India

There is no advantage in Leeping up a separate purveyor's establishment for hospitals on the contrary, it interferes considerably in the efficient would mg of hospitals, and is more expensive than the old stoward's system for which it was substituted in 1868 Under the stew ard's system, the medical offices had entare control over the whole of the hospatal establishments and stores, and was held responsible that every

thing in connection with the hospital was kept in a serviceable condition, and in accordance with reguhintons. Under the purveyor's system, the responsibility and denge of stores and eribbishments as draid between the medical and commissions of inputments. At present the medical officer has charge of a portion of the establishment and fill the medical and suggest stores, the termination of the synthis and articles of hospital equipment, comprising diets, wines, helding, clothing, cooling utens is, &c, are under the orders of the commissariat department. The purveyor, while mountaily under the medical offi cer's orders is entirely a commissionat subordinale, by whom he is coupleyed, paid, pensioned &c , &c He is supplied with quarters in the vicinity of the hospital (which he seldom or never occupies), and is permitted to sloop at his home (generally in the brian for which he receives house lent). What with hymg m the breat, and having to attend the commissarial office for orders and the commissariat godowns for supplies, the purveyor is selden in the hespital for more than an hour or two during the 24 hours In the interval, his duties are carried on by the establishment placed at I is disposal, and the consequence is that, in the absence of proper supervision, the work seems to be mefficiently carried on, and much inconvenience is experienced

To remedy thus, the purveyor and his establishment should be under the control of the medical department and the medical efficer held responsible for the efficient performance of all divises in con-nection with the sick, and for the charge of the whole of the hospital equipment similar to that of the

medical and surgical stores

At present the purveyor is generally of the Bengali Babu class and consequently will not live in the burntal endowno unless compelled to do so said as heaptal assistants mony of whom me Bengalis, lives in the womity of the lospital, there in necessar why an acception should be unde in the oses of purey on. In fact, the pureyog garde should be open to my class of imm having the requisite qualifications, and who are preposed to his near their work

The puricy or's establishment excepting dhobies should be amalgamated with the army hospital Native corps, which will admit of the numbers being reduced and a better class of men obtained, all

amenable to discipline and under the orders of one department.

Such a system while merecang the effective of the hospital and adding much to the comfort of the sack would save the Sixte about Rs 10,000 annually in the item of house rout to pureyors, for it is not just to Government that permanent quarters should be excelled for them (which are soldom or never come old), and at the same time allow them compassitions for living in the bases

It is estimated that the cost of the struct system moment to about Rs 70,000 annually, that of the organic cost of pureyeas Rs 30,000 annually, and that of the present cost of pureyeas chort Rs 73,000 annually, long a pittle over that of star was The sum alloyed to the commenced to partners to conduct the administration of the pureyeas system should be transferred to the medical cost of the commenced to conduct the administration of the pureyeas system should be transferred to the medical cost of the commenced to conduct the administration of the pureyeas system should be transferred to the commenced to conduct the administration of the pureyeas system should be transferred to the commenced to cal department in the event of this proposal being stachoned

Surgeon General J F Bentson M.D Indian Medical Department.

A direct categorical answer to this question is somewhat difficult to firme, because of the absence of any indication of the manner in which it is proposed to provide afterwards for the duties of the purveyor

Under the system which the present one superseded, a member of the spothecary class, with the title of steward, discharged the dunes now devolving on the purveyor, and considering the limited professional training which the subordinate medical department their received, there was nothing absolutely grotesque in the an angenient. but now, when the educational advintages empoyed during a time year's residence in the medical college have given the Government, in the members of the subscrimate medical deputiness' a highly trained class of professional men, it would be, m my judgment, a clear waste of skilled efficiency to revent to the status quo a ste

But might not the question be appropriately put in a disjunctive form thus -Or if Lopt up, might not the medical subordinates now swettened for regiments be reduced? To the latter part of angue or a constant of the control of the property of the question of family of the question of family, it should be statute, give an affirmative teply. When reguments had two or no absentees in the halk and were actually comadensity stronger immercially than of late years, the medical and surpeal duties of the hospital were polyround by—

1 apotheeary,

1 assistant ditio, and 2 apprentices,

whereas now the establishment embraces-

1 apotheeary, 1 assistant ditto

I passed hospital apprentice,

and 2 or riore hospital apprentices

The mere numerical statement, however, gives but a very faint conception of the real increase of strength, masmach as each of the three sense grades has record a most substituted, almost finished, noticesond trung, reademing the passed heapth specialize perfectly able to perform most efficiently the dates formerly done by the center subschaints almost Algorithm. Medical Department has, more than once, put it on record that the supersed hospital apprentices are of no real use in the regimental hespitals and therefore, with the sanction of the Government of India, conveyed in letter No 1214S Medical Department of 11th August 1879, hundrateon of the numWhat are the statistics of myshding and mortality of Madras Native infantry regiments in the North-Western Frontier and in the Central Provinces?

Sorgeon General J P Beatann M.D Imban Medical Department I'm not able to gave any information about the Maduse Native regiments employed in the North-Western Troutier, as no returns are mode to the other connected with them. But the impression formed from the practice of the Arichas samy reports is that the health of that notion employed in the Control Provinces are now, to better than that of the entire Native army of Maduse as the statistics of the Bengal Native army stational in the Upper Provinces are better than those of the gamence of houser Bengal and Assem.

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(817) Appendix IV

Is there any advantage in keeping up a separate purveyor's establishment for hospitals ?

Surgeon General J Her Innes Be tell Med cal Department and Principal Med cal Officer British Forces in Judia

There is no advantage in Leeping up a separate purveyor's establishment for hospitals, on the contrary, it interferes considerably in the efficient working of hospitals, and is more expensive than the old steward's system for which it was substituted in 1868. Under the stow and a system, the medical officer had entire control over the whole of the hospital establ shinemis and stones, and was held responsible that every

thing in connection with the hospital was kept in a service able condition, and in accordance with regulations: Under the purveyor's system this responsibility and charge of stores and extribibilities is divided between the medical and commissions departments. As prevent the medical officer has charge of a portion of the extabilitiment and all the medical and singular stores the recrumder of the servants and articles of hospital equipment comprising diets, wines bedding clothing cooling itensis &c, are under the orders of the commissionate department. The purveyor while nominally under the medical officer's orders as entirely a commissariat subordinate by whom he is employed paid, pensioned, &c , &c cer's orders. Is chained to commence the weather of the hospital (what he soldom or never occupies), and is He is supplied with quarties in the weather of the hospital (what he soldom or never occupies), and is with the about it is known from all it in the hospital for which he second from the latest with permitted to sleep at his home (generally in the bazar, for which he receives bouse rent) living in the lazar, and having to attend the commissionat office for orders and the commissionat godowns for supplies, the purveyor is seldom in the bespit'd for more than in hour or two during the 24 hours. In the interval, his duties use carried on by the establishment placed at his disposal, and the consequence is that in the absence of proper supervision, the work seems to be inefficiently carried on, and much meanvenience is experienced

To remedy this, the purveyor and his establishment should be under the control of the medical department, and the medical officer held responsible for the efficient performance of all duties in connection with the sick and for the charge of the whole of the bospital equipment similar to that of the

medical and surgical stores

meaness are surgices source.

At present the pureyor is goverally of the Bengah Babu class, and consequently will not live in
the heapited enclosure unless conspelled to do no, and we hospital resistants muny of whom are
Bengalis, lives in the victuarity of the hospital, there is no sector why an exception should be made in
the case of mirroyers. In fact, the pureyon grade should be open to my class of men having the
requirits quilifications and who are prepared to have none their work.

The purveyor's establishment, excepting dhobies, should be singly mated with the gray hespital Native corps, which will admit of the numbers being reduced and a better class of men obtained, all

amenable to discipline and under the orders of one department

Such a system, while increasing the efficiency of the hospital, and adding much to the comfort of the sick, would save the State about Bs 10,000 annually in the item of house rent to purveyors, for this not just to Government that permanent quarters should be erected for them (which are soldern or never occupied), and it the same time allow thom compensation for living in the bazir

It is estimated that the cost of the steward system amounted to about Rs 70,000 annually, that of the owner own onl department in the event of this proposal being sanctioned

Surgon General F P Bustson M D Indian Medical Department

A direct categorical answer to this question is somewhat difficult to firme, because of the absence of any indication of the manner in which it is proposed to provide afterwards for the duties of the purveyor

Under the system which the present one appended, A member of the upothecuty dies with the title of showed, deshinged the diress now declarence on purveyor and constraing the limited professional trunung which the subordinate method) department than recovered, there was imited professional training which the substitutionals mission! department than received, take a new molting absoluting profession in the amangement but how, when the deductability profession is the amangement but how, or the deductability profession is members of the substitution mission which we have been assumed to the substitution mission of the substitution mission of the substitution of the substi

the question so fruncd, I should, without heartition, give in affirmitive teply. When regiments had few or no absentees in the hills and were actually considerably shonger numerically than of

late years, the medical and surgical duties of the hospital were performed by-

l apothecary, I assistant ditto,

and 2 apprentices, whereas now the establishment embraces

1 apotheeury, I assistant ditto,

1 passed hospital apprentice, and 2 or rioto hospital apprentaces

The more numerical statement, however, gives but a very faint conception of the real increase AND MADE AND MADE AND ADDRESS ASSESSED AND ADDRESS OF THE ADDRESS hers of this grade to be entertained his aboutly been carried out, by admitting ten only in April last Apair from these composing the multitry class stadents at college at present numbering sixty, only a moderate number will remain for attachment to regimental hospitals during the pre collegiate only a normal number and rarran for summand to regiments magness through the pre-pered, senting a gain communally, but what so of much greater moment,—the opportunity of send-ing them to selected hospitals, where the method staff, communated and warnet, as known to tale special interest in the training of the lads, and from which, therefore, it may be hoped, they will energe with not only a respectable present professional grounding, but also a heitlily most character of lets yeurs, the unprovement in the conduct of these lads during the college course has been most muked and satisfactory, and affords substantial ground to hope for still happiner results in the future

Surgeon Generi C A Gordon
From sky own experience and observation I say—No, there is no
advantage in I coming up a separate purveyor's establishment, in so far as the hospitals of British regiments me concerned. It is of course essential that a particular class of employes have charge of, and he responsible for, the stores and essential that 'patentin class of emphysis invis energies of, 'on the representation to its stores and outpresent of hospital services we there of undertail and empirical startly, 'which are title mean of by the applicacy. Until some ten as terribe years ago, the alexand had clarge of the coloring, bringing throughout were sent and that densits of a general wholes, the measure of period wholes, the stores of the coloring proposed to the makes we were represely being, for the performance of his dutte, through reported to the makes of application along whose considerangements and impactions, transfers, and encounts of expenditure was required to other proposed to the control of expenditure was required to other proposed to the control of expenditure was required to other proposed to the control of expenditure was required to other proposed to the control of expenditure was required to the control of the control of the control of expenditure was required to the control of expenditure was required to the control of encounts of expanditure was recented as office to give validate to send documents. Of Jair years, the base gainer are found replied by the del of purroyears, I where of more approach as a gentle by the commissant's department. We have an one or years proposable or amendable to the moderal clinics, to below in the trickets or only itsend on requestions, and who, of regif, does not appear to have cover to the stores from which his suck my provided, the result being "at I testify from my own knowledge, that, from not curse or models, the smartle of childrag and beloing sectedly varieties in the purroyear's above of the free models in the matter of childrag and beloing sectedly varieties after the contraction of a large of the contraction of the co durantice setting upon provide a senting of the setting of the set the conditions in this respect as they formerly existed in the Beneral presidence

Dr & Suth MD Surgeon Control Indian Medical Bers to Maires

conceppines as they are called in this presidency, for the writes of Native regimental hospituls works satisfied only. At single stations there is one purreyer at large stations such as Bangaloue and Secundershad these are two. At the presidency on purreyr warms and the second and the suggested and occupant was under the two was presented by from one efficiency of the Northern regimental hospitals meloding the body grand and the Fort dependant. If through the contemplated I would stongly deprect to the transference to the medical subordinated apprisement of these others. These medical subordants has a conserved an expension prosubstitute disperiment of these others. These moment autocurrents more received an expensive principal distinct of important indicated as fractional elasticates on dish per polera professional and emprand obtained of an important indicated which alter time. Were the index of pure que superadict, then professional value would be gravity discussional, out they would be expensel, momenter to interplate the charge of the whole deposition and the complete and the professional discussion of the whole deposition of the professional discussion of the profession of the profession of the professional discussion of the profession of

The system under which the commissional provides pursesons, or

agency equally mexpedient and expensive Depairy S messa-General I M S Fogo Officests g Surgeon General Br tigh Forces Hombay

The purveyor represents the commissional department, and he is the keeper of commissional stores in the hospital. A medical subordinate perioding the duty would be more satisfactory to the medical officer
In British hospitals, elsewhere than 10 India, similar duties are pur
formed by the officers of orderlies who are under the orders of the metheal offices in change

Dr Cole a Smith Bepaty Sur geen General 1 kan Medicak Do partment Madrice

In Madris Native infantry bospital, there is a purveyor or a contcopillay who belongs to the commissioned department, attends and supplies what is required, which system measures well, and is very neces-One man is sufficient for all the regiments in the station

De J (blens Deputy Surgeon General British Forces Mount

The work performed by purveyors is exclusively non medical, and perform to the commission department. On the principle of reher mg medical officers and subordinates from work non-professional hospital supplies rations, and clothing should contone in the hands of the commissional department, and consequently their care and distri-bution entries of to seasons of that department

Deputy Surgeon General S & Text out Priscipal Visional Offi-ter Larous Fold horce

My knewledge of the system on which the hospitals of European troops are supplied as limited to what I have gained during the few months that I have held administrative charge of this force but so fur us thus experience carables me to judge, an establishment of the kind

Sargeon Vajor T G Herlett C1 Act og Depaly Surgeon Ger eral Smi Di 18⁴00

I do not that so, us m my opinion a hospital stoward is all that is required. A regimental hospital is had a needl institution compared and rouge early acceptable. The exemple, at the Goodshire Tayled Hospital, one of the large Nature hospital in Bomilay when there are 184 the son of view of the man of the contract of the property of 18 principles, and where thou is only one medical affect to superinted all the word, I managed the min security of the hospital when the managed the first security of the hospital when acceptant of the word, I managed the min security of the hospital which may also make the view of which which had the entire accounts of the hospital with one steward (a Native), who had to provide I is own clost. I saw and examined the whole of the food and provide its own mean. I have more served out to the cooks. I

periodically inspected the stor rooms &c. I im of opinion that a hospital stoward would do all the work of a regimental hospital. I think there is no necessity to have a clother and a tailor on the permanent establishment This woll can be given out on contract, and I also thin it is waring should be done by contract I see no necessity why the purveyor or hospital stoward should have a neon. If his stores are arranged systematically the work is much more carely per formed

Surgeon Major J. P. ethall m.n. Frammer of Medical Accounts Bengal

The system of purveyors was instituted in supersession of hospital stewards in 1868. He is the sevent of the commissiviat department The duties are-

to assue when required to medical officers such articles of equipment and supply as are provided for hospital use,

to be present in hospital doring the day for duty, and to receive the orders of the officer in medical charge with regard to resum to lay out the articles composing the diets and extras for the day in bulk for the inspection of

the medical officer at his morning visit and give over for issue to the sick in good condition and in time for their meals

to arruge in the fortinghtly imming of the cooking utensis, to seem divily to the logitud sengent the oil and color wells required for the bospital lumps, to see that all articles of loopinate apayment one complete according to scale and in serviceble condition.

to see that no articles unservice ible or out of repair are kept in store, to see that all hospital bedding and clothing we repaired and washed and to issue clean articles

for patients as often as may be considered necessary by the medical officer to 19 of to the medical officer discrepanting beforein usual and returned hespital component to see that the social bedding and dolling used by potents suffering from infections discussed as discussored at the hospital and then sent to the nasherman

to prepare all returns and conchers connected with his stores and establishment

to arrange for the authorized supply of marching or railway equipment when a corps lewes a station

At the time this class was instituted, it was considered that not only would there be comonly in the measure owing to the reduced rites of pay they would receive as compared with that becared by the steward but that being the customan of the stores and directly amenable to the commissurity department, the security of the stores would be better ensured, the responsibility for the same resting with the purveyor who s a servant of the commission is already stated. I helpeve this system of check over visites of hospital segment where a co of great value is generally countered effective, and the result, I think fully hears the coil. Although a bette clear of men, pressuring results untelligence, outdle not be obtained for the per allowed I believe the men now amployed no generally competent for the performance of the duties entrusted to them and unless much better grounds our be shown for disturbing the present system if on I im acquainted with, it does not appear to mo desirable to make my change. It can hardly be expected to accure the services of better and more atell great men nathout ancrered outles

Surgeen Major J H Porter late in Med cal Charge of Feld Hosp tal lat Ds see Penhawar Valley Pield Force

None, the purreyor's establishment should be as much part of the hospital as the apothecanes. A separate establishment is a decided disadvurtage more especially on active service, where, under the present system, it is likely to become detached

Surgon Major C Martin Army Medical Department 13th Hussars

Under the regimental system they are necessary Should the general or station hospital system he introduced one purveyors establishment would be unple for charge of whole, in a station where four or five corps might be quartered

4 Can you provide data from the experience of the late campaign of the relative capability-

(1) Of young and old soldiers to endure fatigue and exposure?

(2) Of the value of hill stations to health, and of the effect of stations like

Peshawar on the health of regiments taking the field?

(3) Give the Commission your opinion generally on the question of hill stations, then value as santarn for the resort of myalids, and for the preservation of the health of young soldiers respectively

Surgeon General J her Innes Brital Moderal Department and Principal Medical Officer British Forces in Ind a

The question of the relative powers of old and young soldiers to endance fategue and exposure in a campaign forms but part of another and larger one, that of our present multary organization as an importal power and as this seems to me to involve several points of an essurtrally medical churecter, and such as can best be determined by considerations and deductions from medical statistics, I desire to touch thereon, although I should trench upon ground that rightly comes within the province of political and mulitury economy

The main elements of the problem are—given in usulu poner holding military sway over many The main commence of an improvement are given in asset in power recognition of state of the country being manned to conserption in any fact in where records trust be then point to be executed, how best to maintain in many of adequite strength and efficient quality with a reserve a widable in case of extend necessity? To this problem must be added the preponderstang consideration from the standpoint of the Indian Government, we, the military requirements of this country

The short-service system is the following advintages: it tends to procure a celebrate army, thus rehering the State of the expense of barrents, &e, for married soldiers in the future, and of making

available the accommodation now taken up by them in the present

Supposing, what is an absolutely essential element, a sufficient interval of time to chapse, its operation would seems a reserve on a system practically the reverse of that hithoric followed for in our persons were (Pennsulu, &c) the places of the veterna tacops in the field were taken by immi-time recents from home, while now the places of the joing tacops in the field would be filled up by the older soldiers from the reserve

On the other hand, the disadrantages are that the men compoung an army are manufestly on physiological grounds not sufficiently matured to withstand the burdships and fatigue meidental to field service, they have residency enough, but insufficient resistance they are drilled, but not trained The difficulty of getting non commissioned officers of the right stamp, and in requisite numbers, is mercrangly great the expense, so far is the inialiding transport of time expired men and from service system is concerned, is great, the composition of a caps is hible to frequently iccurring fluctuations, in consequence of men taking their discharge when their training is perfected, for we then my of discipline and organization and expert de corps entured thereby and the reserves may determinate, or not become available when required

neconcervations were assumed. It will be shown becauter that, as fin as susceptibility to chimatic discuss on the one hand, and inefficiency in the field from lock of power to withistand futigue and hardship on the odder, and residency many and unancharatized corps and soldiers of the present day contrast very many on the that young and unappend about our product so of the prist of postures they find that only with the cities and each attend copy and man of the prist of posture time. The solder is subject to the same live as the uniform number or, that the visuals and interest posture powers of endowned which the young and manufacted ones, and a solder under 23 years of ago is consequently relatively

metherent in the field

It is necessary, however, to avoid exapporating the effect of age on efficiency. It is a mustake to suppose that a soldies of over ten years' salvice is better than one of five, he very faquently is not so good. In cheerfulness, fulness of hite, and resolvency, the younger man notoriously enjoys the advantage. His physical defect, as for as companyone is conceened, is with of endirance, his trume and constitution require good food and periodical rest. For a short or a series of short efforts, a young man is quite as expable as an older one, but in sustained effect at labor, and under priv tion, he is manifestly his inferior. For many obvious reasons older men are required for the non-commissioned ranks, and it is a Strite question how such men are to be retained, but playment and moral degeneration are allied and commonly advance pure gases. Where the former exists, it is not, as a sule, counter-

are finited and commonly various pairs are as Where the forence exists, it is not, as a line, countries behind of yampeniny of their distinguishment of the principle of the pri

medium. This consumerus, cast in a consection with the large surveyors you go court, 5 and our requires by the nextical obliver to maniferently method to death the hardwage entailed by ministry service, orthines the ago of the North Germin revent with those of Westenburg and Dist us? A summing in our ways at the mean proof distings which a soldies in at this greatest efficiency, and all the soldies are the soldies and the soldies are the soldies as the soldies as the soldies are the soldie

after two years' service in this country with an age ringing between 24 or 25 and 31 32.

The disease of which joing and unacchimitized soldiers die in this country is enterio fer er. The irrightly in the case of the soldier of over somen years' service in India to the of this disease is 8 97 as contrasted with 82 11 in the joing, and 13 09 in the class readent from five to seven years, reskoning the hability at 100

Taking a strength of 22 758 men, 10,745 of whom are from 20 to 24 years of age, and 4,428 from 26 to 22 years of age, the death-rates from enterin force during the first two gene of service in this country is 9.77 and 10.16 respectively, someonement, so for as death from enterin five as concerned,

resury is a 17 may 11 to respectively, someomenth, so five as each thom entered force is concerned, it and so but high difference is better a soldier be 20 or 25 years of ugo on this landing here. The attempt expectation of his diminishes in this country as it have not in proposition to ugo but a young soldier, say of the ugo of 20, if he dies within the first five years of the use to been, is just add in the first five years of the use to been, is just add in the first five years of the use to been in just add in the first five years of the use to been in just add in the first five years of the use to be for the use of the use of

as lil ely to die of enterie fever as of all other diseves put together

Out of 73 reguments and butternes which came to Indra between 1371, and 1877, nine only, says Dr Briden, from whose reports the feregoing data are derived, remuned free from enterie ferei in the first twelve months after handing

I reference to the occurrences heremalter detailed in regard to the relative efficiency of young and uncersoned as compared with old and assemed troops, drawn from the experience of the 8th, 17th, the interpression of scompress which was now already entropy, or that it to be derived in a general why the both and first Regiments, in the last company, but the facts detailed in regard to the lifts Regiment points of control technical the tase discret, but the facts detailed in regard to the lifts Regiment to the last discretization of the brur, out very elevely the great relative pro butly of the drafts not only to secound to a special form of disea, a-cather form—bit to become drabbed from the more ephemenal forms of drawns.

of defense sentence in two serious operation around more recovers a norm on current.

The difference believes themse to contributing unded from endeaue diverges must be forme until the former comparing alments induced by thereof conditions of temperature, leading, that for the latter though great to the distinct in which they exist, and for the most part of the former and believe and believe and the conditions.

affecting both European and Native indiscriminately

Irrespective of an increased rate of mortality, with a corresponding morease of age and length of succession to all other countries, follow elimates and conditions of life occasion high and moreasing devide ratio with increased ages —

P.3			DEATES	PER 1 000		
Bolies of men compared	Under 20	20 to 24	25 to 29	30 to 34	3a to 89	19 n d upwards
Troops in the United Kingdom, 1863 to 1872	2 87	ə 12	6 79	12 53	17 76	21 16
Civil male population—England and Wiles	7 11	8 42	9 21	10 23	11 63	13 55
Troops in India, 1871 to 1875 {	5 64 5 13	12 a9 10 33	15 02 12 17	19 80 16 87	29 90 27 12	al 64- 46 07†

Invaluling British Army of India from 1871 to 1878

			Lous	Per I 000
18	71		2,381	43 62
18	72		2,438	43 21
18	73		2.434	44.58
18	74		2,411	48 78
18			2,371	40 25
18	76		2,276	38 90
18	77		2,452	42 25
18	79		2 510	4498
Ay	remge		2,415	

A series of admirable tables illustrating almost every point affecting the health of the British and Native thoops are given in Di. Bryden's Statistical Reports, and that for the British army of

India 1871 to 1876, is especially noteworthy

Although a healthy man, odimenty oriented, whose spe ranges between 28 and 38, will attain his myromum of weddiness after the second year of service in this country, this period is capable of being mentatured and produced by residence in the mountains, in a clurite climited to mentain his physical powers, and in the crist of young soldiers by seturing them in the hills for one or two years, until they half needed the ego of 23, before which a man is unfitted for field service, there can be no doubt that they would be served from much of the classes due to conditions of leachty under which they now suffer, and time round be given for the system to become matered while it would be undergoing a process of secommodation (sechimitization) to an Lindam climite

The benefits of hill strings may be summed up under three bends first, they confire a hapker standard of benish and strength on the young solders, mediation to domainthing, if not settled a characteristic contributions of the strength of the removal from this sources of ferry accord, they benefit the obles and more confirmated soldies in the sense induction, and finish, regarded as smallars for invalid a 1 this respect the benefit since none huntred. A fail climate is rarely efficience in a smallars for invalid a 1 this neighbor the scenario contained and the scheme of immessions health when organe or indured disease has become archibited. The scheme of immessions health when organe or indured disease has become unpopular with the men who, if neakly, are debanced from the attraction of the grant from it in grind the strength of the contribution of the strength of th

There can be no doubt that it is under the first of these heads that the beneficial influences of hill stations can be best and most profibility distributed. If the European walker be phread in the hills, where heat is not full and malvara re based to a manimum, a considerable step would be made towards assumining his position to that to which he has been acconsioned in his one country.

The belief that the efficiency of the soldier is impaired by hill residence when called upon for the

endurance of apposite conditions is a full moor assumption, and the contrast exhibited in the cases of the 5th and 17th Regiments as compared with the 81st, 70th, and other corps during the late Afghan

cumpaign, conclusively illustrates this [vide next page]

The expenses of the curpung not only longs out vay strongly the adverse influence of previous multimous disease in the constitution in dimension for power of restaurces to foll and cropourse but in mercesing the liability to poisonery disease, and vay nothly inflammation of the lungs in the new of Natur chorpes. Now the effect of residence in a markness channel fountiet by these ends, for there are very good grounds for believing that one of the more remote effects of upon in the case of Lungson troops in the development of turbulence for a residence of a certain direction in India, relievated by nature to the Lungshab channels, exceeds, in its power of producing pithins, the known effects of the month districtive trades.

The question of hill stations has gained increased importance since the short-vervice system has become established and it is clear that a multiplication of mountain stations, mainly for the location

of young and recently arrived soldiers, must directly duminish the number of involids yearly sent home as well as the annual death rates from entene fever and pulmonary consumption

It is very difficult to estimate the influence of previous residence in the Peshawar Valley, as continated with a residence in hill stations, on the efficiency of troops in the field in consequence of the presence of a number of other factors such as age, length of service, &c, all of which would have to be taken mio account and would tend to witnite the conclusion, but the experience of the late was less farmeded examples of corps taking the field in which these distribung elements either did not

exist at all or in so ineignificant a degree that they may be practically disregarded.

The 76th and 81st Reguments and been contoned at Peshanar (the former, 70th, falling the field from Mooltan), while the oth Pushers and 17th Regiment had been quartered at Chaki ata and Murres

Hills respectively, before proceeding on service

Deputy Surgeon General Hendley in his report states "The 70th Regiment previously located in Moditau, and hefore that in the Peshawar Valley for three years, was in a most unfit state for such a service. They were very weakly at starting from Moditan, were exposed to great handships on the road (which was a very difficult one and the Derr Bagh route) to Quetta, and suffered very much from fever and howel compliants. Their dooles were filled each much with their sick, and many available camels were employed in currying we'll y men, 101 men were left behind at the biss hisspiral. When we crossed the Kojal, 67 men were sent to the biss hisspital at Kundahai on the maiel out towards Enorli, and 21 were sent back to Kundular from the place they were builted at, and a firsh batch was about to be sent when the regument was recalled to Kandabar. They were so workly on the murch that the officer in medical courge of the field hospital seldom had a spare doche, all being occupied by the sick or weally men of this regiment, bowel complaints and fovers the prevailing complaints

the air, or verty inco to the regiments, Ower completies and review the previous completies.

There was only three deaths however, up to the time of the breaking up of the 2nd Dirises.

Regarding the 51st Regiment, Suggeon Major Markin reports as follows:

"When his 51st Regiment proceeded on field service in November list, very few mon of immature.

ago proceeded with it. There were many young soldiers, but of these not more than three or four were sent buck from the front to the base hospital at Pesham m." Dr Martin goes on to add that his experience of the regiment on fold service was himited, as the

men "melted away" rapidly under the exposure to wet and cold during the week following the 21st

November At the end of six weels like regiment "was sent to the rear as unfit " Dr. Martin expresses his opinion that age as a fractor has mothing to do writh the men's power of a structure guinds' to do in a victious might duty," and he putted his protes that the men who had present the provious hot serious in Peshawan near the flists to securith, "which these at Oberta and "elsewhere resisted the unfavourable excessioners and remained a different class of men up to the end

In contrast to the above let us take the case of the 15th Pasil ers. This fine regiment left Chikrata on the 18th October 1578 742 strong, they reached Pesbawa 746 strong and left behind them to that station II men suffering cheefly from sore feet, the result of the long march (28 miles)

from Noweleca the provious day

Up to the 13th May no deaths occurred among them, and very little siel ness A total of 137 men were sent to the field to epithely short 25 per cent per month and most of these returned to then duty
All the inhalts of the per central to the field to the per vieley, going it tought the usual involving
All the inhalts of much certain sent has refequently noting streams, so, but in this opione of
Surgeon layer Dipplets to much of other in charge, the health of the next we improved thereby
Surgeon layer Dipplets to much of the field to the central to the central to the field to the field to the central to the field to the field to the central to the field t

between 29 and 30 years, with only two or three years covered mindra, caused this regiment to be leoled on as "the florest British infantry regiment of the Let Dri ston Technical Valley Tald Lovery and there is but little doubt that to the previous residence in the Mirror Hills the effection of this

hattahon may for the most part be riteributed.

The value of young and unrechmatized as compared with older and acclimatized troops.

The following trible gives the composition of the 5th Regiment as regards age and service when corn a round the Poshaga: Valley I tald Ropes

		COMP.	H.S. 7 St.	ney X.	old 20	ate.								
			Δ	ig.						See	7102			
	Under 20	20 to	25 to 30	30 to 30	3u to 40	40 and	Total	Unde 1 yeu	2 to 3	4 to 5	5 to 10	10 fa	15 and	Total
Number of men	5	138	188	256	133	26	746		82	72	154	255	183	746

Up to the 13th May the almossions were only 2 32 per cent per measure, and there had been no deaths. On this date a draft 100 strong, joined from England, the composition of which was as follows -

		-	-	227.3	Commercial	_								
	_		A	IE.						See	TOP			
	Ui ler 20	23 to 22	25 to	9 io 30	30 to 40	40 and over	Total	I Jear Under	3103	3 to 4	Ltou	3 to 10	10 mil	Total.
Number of men	5	36	17	18	2		106	4	71	27	2	_	2	106
-	-	-	-			1	1							i

From and after the 13th May the such list of the regiment greatly increased, and the men suffered severely on the much to Abbottaland, both from cholers and force but, as Dr. Timpets remarks, the comer soldiers of the draft suffered out of all proportion to the others as is shown by the following -

	Strength	Total Ad uz sions	Total destlas	Proport on of death to strength per cent
Men of regument .	7:16	218	2,	8 85
, of draft .	106	86	15	14 15

Out of the 25 deaths among the older soldiers 21 occurred from cholera, and one man was murdered at Basawal, so that only three men out of 746 deed from ordinary causes, as against seven out of 196 among the draft, eight of the latter having died from cholers
1 17th Regiment -Dr McWatters reports that on the 29th January 55 recruits joined the

head quaters of the regiment, their average age being 2074, and service 110 Of these, up to the

21st July three men died of disease

On 21st Murch 71 recruits joined from England, their average age being 21 , and service 1, of these live men base died-In o from cholera and three from tever or its effects, and he notes that of these live men have dies—two from citotics and three from fever on its effects, and no notes that the average duly ank, teto per cent of strength has been 16.7. No exception is taken to the quality of these recruits who are stude to have been a "fur sample," except that "they was too young and not sufficiently reclamatized for field service," and the returns show that they sufficed searchy from the usual discusse of a companier. It is noteroutly that the cases of categories commend almost exclassivity among these recruits. Dumilies was pretty general in the regional, but consumed to an excessive amount amongst the younger solders. Dr. McWatters expresses, however, an opinion that soldiers of the class decommended "old Indraws" are not the best on service, but men. of from 23 to 20 years of 290, and with only two or three years Indian setvice These outlier friends on the control of the con

in a far greater proportion than the more seasoned men. He says it appears to be a mistake to allow any soldies under twenty two years of age to go into the field, and that from that age to thatty seems

to be the best for men on active service

to be all to be in men un accesses we have a funding suffered very much, and since the intum of the regiment to the Perluvur Vilhy the cholers present bring to these mon. The young soldiers child pill the inequities while other men rue prove to have down stingether. This property is the cholers that coldress under 22 we of the less efficients than there between that ago and 5. The younger soldiers fell only the marks in a large properties.

and suffered from gas and remitted fover
and suffered from gas and remitted fover
134 Regimes t - Dr. Andrew awas that the chief difference between young and old soldars
on seases are garded sleaves coss size in the inneressed liability of the former to attacks of entrue fover, there having been six deaths from that cause among men under 23, and only one among those

or that age
2-046 Regiment —D. Burges having made some long and tiping maches with the 2-06th
and part of the 58th, nearly all of whem were seasoned solders reports if at he had only two men
falling out, both of whom were manuature boys lately jound. He considers that young and unmarkers soldiers up to the ages of 21 or 22, are unable to stand the fatigues, bridships and pravitions of a campugn

51st Light Infantry -In this regiment the greater number of admissions and deaths occurred first in the soldiers under one year a service, and next in those of from one to two years. It is added that," owing to the immature age of a great number of the men, they succumbed under pination and climate and were less able to undergo fatigue than the older soldiers, is noticed during the very taying marches from Afgl unitin to Peshawur."

Let Squadron, 9th Lancers -The men composing this squadron were nearly all of mature age, and

suffered very little from sickness of any Frad

The 2 8th Regiment arrived in India in December 1877, and was stationed in Rawal Pindi up to the time of taking the field. Dr Gibson reports that on assuming medical charge of the regiment, he inspected and found it composed of a great number of young soldiers lately recruited of some who live served for five or six years at home, and a small number of veterans, volunteers from the

The joing soldiers were arrenne and suffering from the effects of their first hot season in Indra About 220 of these were left behind at Rawal Product unfit for service, and 690 joined the Lurain

Luld Porce

After the first day's march those who fell out nere almost exclusively the young soldiers number of suk amongst thus class mercused rapidly, and when the regiment marched into kohet (100 miles), 125 men were in hospital, and 25 more had to be carried, making 150 medition on

that day

The regument remained three weeks at Nobet, 110 men who leid been left behind at Rawal Puidi parted lived-quarters, mixedings with the 75nd Highlanders. The officer commanding the detectment told Dr. Gibson that they were quite unit to mixed with such account one as the 72nd, and when the column entered Kohat only 58 of the 140 men were with it, the rest being either in bounted or struggling in the reu and 25 men had to be manachately admitted to he-putal 110 men were left behind at Kohat as unfit, and on annual at Thall 70 more were carried, although the matches were tota short and easy, 90 men were left behind at Thull, thus a third of the regiment had been left behind before field operations had been commenced or any presations had been endured. Nearly

all the em a coroung sold end both we regards we and service. He alds however that he you e men of the regional res one is in the and deep of stad and that in the size of regional rest all problems are for the removal rest and rest and that in the size of rest of the control of mand log and end urnos f their that sollhers is less of rest of region of the rest in line.

4 / R fle Br gade -- Sn goon Wajor Wood reports that sollers of the 4th British on R fle Br gale in the late compagn n light its hosen with book matic over each with those of den witch jo ned four langing lyritst leaved g ton eg me til et n 10 men i de 20 te s of nege recomprom ed ile half-nion into the fell and of the dreft 13° men ere st tol to le i der

il at are total 34' met nier "3

The drift armed at Bonbar on the 19th Tebrary 1879 namb ing 309. By the time train of the Pecha is in the call of March it is relicted to 76. cleft to skiess. The points from Bond ; to Jielum and the march from II clem to Pusher a central cone ti of the c had; o ci

trying to tle me usung to the same of the first ed at Penhamat the boyds appearance and small arrange s not the anea were edjacts of though Samme a went were by git before a me of her days to these for the fell noty 10 cm or no smalled by the boy 1 mfl or each to loop tall the diff and eller the Fell section 1 libelind was the 3 l April 10 stog I wang left to more non at Pain a Lit released and and on the 10th 1 1 th 33 men 1 mg let non nloop talentic any O the
11th And has balled on readed Sofed non-1 o make selegal to be now prevalent. Detycen the 10th p f front is efficient one in a like 30th A like owere 68 dm see o o for a total of 160 adm seions from the defit to the re, me tal o the fell hospit. When mill o colof Api like entro buttion the 80 stong was spected by a special bon tof med at offices s to the it ess for an in a chate disness pon Calal under comstate es demanding end co thoughterts ad with a m unu a of boggage s of the 197 men reported belonged to the daft o nearly a tirl of its nun le

Ot 15 men who died of fe er in the camp up II towards its close eight we a young soldiers of thed alt

Of 67 a er of chalve had some red on these rams I 97 occ reds me of the laft Of 30 men a all who ded of other diseases than cloters du ng the c many and on the return

marel 11 belonge I to b d aft Of the total of 57 de the smithe empregua direture made 30 cere ed non of the haft wholl ben not of 11 kas than it en morals and bad not takes yet in any of the try we expely two a mal of the both to be liven engaged to second expedition to to Ba I lies that to the Aunar Valley and the fret a l seco longed tons to the Lugi man V loy

Up to to prose til to a for a II we were named from Ic I quarters of the bittal on the traft I el I udel n I ha six months ago has lost ly deatl s 43 men

81 տ _ան 739 Deatl's oil or il an cholera 30 D tto n dr It Cases of eliolors £7 D tto 97 n 1 milt Deaths from el olora Ditta n da ff 04 It I deaths dur g campa ge 57

In tousine due; generally as the property of t

If e results tre best shown a a tabular form -

		lo g Soll ere			
Δ, τ		An a			
	Si en J	C me	No Rio o streng		n hos ta
Luler of	s {	D rlan Primonary (fronchitas) Ic er M !	6 1 1 3	200 33 3 33 8	127 10 6
In ot On	, }	Darien Plon Ienr Wi Offn (jundee)	3 0 1	333 00 2 11 1	\$ 41 87
"l to	-3 {	Dwelan Broad is fier Val	1	173	1 21 7 43
" lip "}	1	D de Oth s (ie)		86 133 } *66	(4J 56
100	It {	Dandan Le er Wal	2	10 3 18	15 15 13
Persons	li	1	93	18 9	งงใ

Summed From

			1				
		Cause		No.	Rate to stength	Døys n hospital	
	(Diresheri Pulmonuy		60	119	892	
Average	401 {	(Bionehitis Pneumonia	6)	28	6 98	512	
	ĺ	Tever, Mal	, -	45	11 2	789	
	Į	Rheum dism. Others	11 }	25	62	581	
	401			158	3 7 4	2,271	

The excessive ratio for boys under 20 of 166 6 per cent is very striking, steadily diminishing in yearly merements to 18 75 for recruits above 2d ye us of age

The chief cause of disability was disarborn, runging from 200 per strength per cent to 12.5 in proportion to ago

Apue, from which all the Rawal Pinds troops suffered throughout, affected the recruits in a much less degree

Comparing the ratios for period

	R	etto of Applie				
	I Dearthors	2 Palmoonry	3 Ferer Mel	Total	Average days in hospital	
Recruits Seasoned troops	25 75 14 9	60 6 6 98	7 57	43 93 30 4	19 c 8 87	

A marked tendency to pneumony, the result of previous maluta, among the sensoned troops is indicated in the above. Total protentage from all croses 43 93 as against 30 4, and days in hospital 19 6 to 8 87

It must be borne in mind that all shight eases were treated in caran, and therefore this report does not show the amount of stel ness, but is rather a measure of its sevent-

1 20th Regiment - Surgeon Major McNelty is oris that the 1 25th marched from Jumood on the 21st March last and returned to India on the dist May, arriving at Perhawai on the 1st Juno

There were some old sokhers in the 1 25th and two thads of the men who had to be sent to the hills on one occasion from Lunds Kotal were men of long service. There were but few immature soldiers in the battalion, and no privations, properly so called, were encountered by the corps during the late operations

Until cholers appeared, the principal discress causing mell energy were distribut, dystitlery and fiver, all attributable to an unbealthy empine-ground, exposure and a changeable climite, and men

of all ages and service appeared to be pretty equally affected at Landt Ketal There was very trying weak in the Milyle Villey exhibited by convey and night duty and the men suffect of proportionately, not so much at the time, but subsequently from the after effects, at

Peshawa particularly the gounger men

He estimates the viewing age of the britishen as it mainted, 985 strong, from Junarood to be whost 224 to 23 years with a serice of 44 to 5 years. A drift of 141 men, including many young soldiers, from England goned the britishes at Landh Korda bestel a mouth provious to the return of the corps to Indre, they had, however, hardly any comey duty to perform as alont this time the full mishing of escorts devolved exclusively on the Native toops. A relatively large proportion of this draft suffered afterwards at Peshawa from cholera

Dr McNulty adds that a soldier must be considered young at least for Indian service until he is 23 or 24 years old , before this period he is more subject to character influences and that giert source

of distribility in this country -enteric fever

"Trom 24 to 35 years of age the soldier is at his best, and has the greatest power of endurance, after 35 hr begans to f II off, unless undeed he has been made a non commissioned officer. On the whole, I am in favor of the comparatually young soldiers with a lewen of older men, so as to bring the average to 20 or 26 years of age "

The deductions named at by Surgeon-Major McNally we-

'I The very joung and old soldness are both most hable to break down under fringue, climate, and exposure incidental to field service

A soldier must be considered young for service in India under 23 or 21 years of age "3

Thenty two years type uponli be the intest period of life for the soldier to proceed to India. The soldier, for his first year in India, should be located in as healthy a station as possible. The soldier's service in India, should be lumited to six years.

826 1 Annendax IV]

"G Loung sold ers are poeminally susceptible to typhoid but cholera equally affects soldiers of all

ages "7 A modified short service would be the best extendated to meet the requirements of India"

Surgeon General J. F. Bertson at p., Indian Medical Department

The d vision of the Bengal Native wary into young and old soldiers is feehmed rather than real. Faking too regiments at random the figures are given in the subjoined table, an examination of a line will agence we given no see warpone consist even in even in the most read the ego when men can give mode early, strength energy no endorance to there work, without even mend much require hould not be found in the first without even mends much require hould not even the confirment of the Nuture arms who are tertly located in the falls we food bas, they we see

trally at home when there, and as a rule, service to the planes tells at first at any rate more upon them then on the receipe regiment which may have been evatoned at an ordinarily healthy at tion in the 11 ns Some of this habity to an entranced rate of sicluses is in my opinion connected inth e reumstances carrible of he ng la gely obranted, and in chief by affording special facilities to them for obtain in rival ratio is and spirils in the moderate quantity which they are in the habit of using mader outs s any errena star cet

The effect of the climate of Peshawar, and of other stations in the district, is certainly unfavorable to the health of the Antive army, acting apparently with an increasing power as the period of resid ence is protricted. The real measure of the eval influence council, however, he every truly gauged by the figured returns but the truth is revealed when a call is made upon men long subjected to the climate of the station and d strict

The intervals of respite between one fever senson and another me shorter there than alsowhere, and it would be too much to resert that may year has been a healthy one. The consequence of this more frequent limbil to fever is structural deringement of important internal organs, making a

rall improl ble during the short season of compa stive immunity.

The cold season of the Acethern Panjab acts beneficially on a man who is simply in llod down, but les receved no real wound in majoritant organs, under opposite encountances, it may be actually hartful to the recevery of health. I append a table showing the statistics of the Native army in the Position distinct justing alongside of it for comparison the figures for the remainder of the presidency, excluding lower Regnet

The found influences of confineers as the Julis of Northe a India has always seemed to be very underly represent. A livelity area geong three sharing the hot serson essay evide suspenses of the plane and as so doth very largery in the footble crayponed of none out-of-four if for all every from the results of d.y. But the is a comportately sight ask untige of feet. In the other team the nature of d.y. But the is a comportately sight ask untige of feet. In the little of the footble residence is an inconstant in the hind, of the senses whose at the most that can be protestized as the proceable residence in an inconstant in the hind, of the senses whose

the prestage to obtantile

There me, however eases which do derive very striking benefit, those, namely, where every organ is in good working order, and only debility they acute attacks of fever remains. Also instances of thournism contracted in the plans are expuble of being greatly benefited by residence over a winter in

I rom these sentiments it follows necessarily that I rate the beneficial effects of hill climates much more highly is a prophylactic than as a cratate agency, and that therefore residence about a second describle for the recount than for the old soldier but heavily by stekness. In their cases the effect may

describe to the county and not use the source mercy by an excess. An inser cases and cause any to be a harder detect it have been a lat it is pall after only, and samply postpones, without my real compensating leacht, it is hand measure of change to lengthed.

I may sold are now a days are righed from all pit to harred, by means of rules are, and often track if on state it when the excess stances of the hot season made confinement to barried a almost computwhereas formerly view they came out by long sea and warehed to destination, they were bard and ft and almost experienced in the best modes of securing britth in India before they journal that it is a unione experience in one cross monomous presenting return in anion between over considerations consider failure of the design of interesting returns and in the so test the adopted it I have no re up to the spite of march g d true gridge. Not only does camp life proto physically most included that the epideur has no longer to contend with the d acrossing sameness and cause of burrels. life or to ord 1 othe monoton; of unexamp drill and museuring during the serson when he should le chally employed in recruiting his health by literally hiring in the open air with the smallest resiru it consistert this the municipance of describine

				-						
		PFSILAWAR DISTRICT				ARMY E/GIUDING LOWER				
		Per cing of Stienois					Per cont of Sirengia			
YEARS				Inval ded		_			Lural led	
	D Lynd	Admes tons	Desting	For dis	Chat no of est	Dally stek	Admissions	Deatl s	For dis	Chan, e af ch mate
1815 1814 1815 1876 1817	1 45 10 4 5 18 37	117 1 191 1 180 213 2 162 7	2 20 1 07 2 3 1 7 91	75 46 36 42 27	21 26 19 37 12	4 08 1 3 8 3 7 3 3	131.2 137.3 126.1 135.3 105.4	15 11 15 12	46 36 33 28 28	13 14 19 16 14
Average of a vesto	1 15	173 .	177	40	23	3 75	127 2	18	84	11
D Ference	. 70	163	17	11	1.					

S ageon General C & Gordon Pricp l Medical Officer British Porces Madras

(Lef) I cannot provide data from the experience of the late cam ruga of the relative empability of young and old soldiers to endure istigue and exposure. But taking advantage of the scope for remarks, a high appears to me to be given by the instructions of the Commission, I would preface what is to follow by the observation that over and over agran, during the different wars in which British troops as well as those

of other nations, Lui opean and American, have been engaged, the point has been demonstrated that young men as soldiers when (imployed in then own mature country on more field operations are more active and, in some respects for a short time, more enduring under fatigue and exposure than are the older men, but that the reverse bappens if exertion and exposure are of a more address nature, even in then own country and in all cases where men who are Natives of a temperate clim to are subjected to the in its of military service in some tropical character such as India Unless therefore, the experi oneo of the recent campaign in Afghanistan negrities the result of pieuous experience, the point, is just indicated, may, I consider, be held as fully confirmed and established

This subject has sugged my attention for a number of years past and more specially since the period of the ranting. The result of my observations and remarks regarding it are embodied in the annexures to this document marked A and to it I desire to refer the Commission Be ides, however numerous to the measurement in the large of the treasure of receiving the consideration. De most government with its addressed therein. It treast the following remarks may not be writt out interest with r frience to this subject. The question of the relative efficiency of young sold ors and sold is stead of the certification of the pair of erous instances of the immense cost in life of the roung men of ini ous European nationalities, who, then under engagement for three, five and seven years only, underwent the companges connected with the ears the proceeding in Southern India "a but the occumestract that time section for recogning soldiers of refunded bounds for longer periods or curves in India wasse from the experience, time anoqued, and that when in 1979 a proposition was made by Lond Committee transfer the local Discogning costs of the Company to the Chevin the measure was the win out for the locases that were it adopted, new levies would arrive in numbers in India to replace the old state ted troops then in the pay of Government It is thus rendered apparent that the system now in force, of having in this country an samy principally composed of very young men, is simply a concreton to that which experience hall condemned before the present century began . The circumstance also should be not ced that the main purpose intended by the Act of Pa lament of 1806 named after Mr Wyndham, by al ach pensions were granted to soldiers according to length of service was to clisure a large proportion of men murch to discipline and conditions of military life being available with the roolors. It appears to me that historical releiences of this land are important in regard to inquiries I ke the present would formulate, as follows, some of what appear to me the per upal objections against the existing system of an army of young soldiers in India as against that of long service men having reference to sanifolion and in connection with the professed scope of the present enquity, w.

(a) A large proportion of young lads, such as now more in Ludia, are play welly unequal to the atrum of active source, and consequently, while they continue so, are not only useless, but receive pay for unda that they do not and cannot perform

(1) Many such have to be sent to hill stations, there to pass one or more years, that is, to all

intents and purposes to be iclaimed in universes until their physique developes sufficiently to admit of

then performing duties for which dering the interval they have diawn pry

(e) Invention as individual regiments have certain duties to perform to a considerable degree irrespective of the number of effective men present, it follows that the more there are absent at hill sta tions and otherwise, the hervier become the duties upon those it head quantum, and in proportion the greater to the wear and ten upon them

(d) If the rate of deaths among roung soliters is less than was formed, the case that of invaliding has increased so enominally that the actual amount of non efficiency by these combined cruses is

ically greater than it was fifty years ago

(c) The expenses of transport of troops from and to England has increased to an extent beyond what would, as for as I can judge, supply the means of continuing liberal jeasons to old solders as formerly, while if my views in correct, the combined effect of nouthin lecturing and short service with regard to India has been to more than counterlalance the effects of all that has been done for the benefit of the soldier in the way of improved sanitation during the last twenty years, including paintial barracis, increase of hill stations &c , &c

With regard to this subject I would lay shees upon the circumstance that, as in regard to some other points or vital statistics, the doctime of area jee is not only insufficient in itself but absolutely misleading with regard to actualities as more fally explained in annualize A. As a matter of fact some men maintain their health and minitury efficiency much longer than others, some are in better health n India than they are in Lugland, although of course their number is comparatively small , and as in the case of officers, so there is no reason to doubt that in that of men a year or two at home, say with a depôt or linded battalion in the case of soldiers after six or eight years service in India, would re establish their physical powers, and by entiting them to continue their service, thus maintain to

[•] The following participies regarding 0 e per of for all of in the time mentageed sold ere in I distribute regarding the per of boards, green have been in Hig to must retard to me by Colonet W Walson of the Madries Army. They will devolute to the interest to the Army Organizari of Colonessons assembly.

^{19:00} f a vine a boundy £10 per man 19:1 Serve Compata's suggested for severa years from date of land ag 19:07 tolen teers from the Newyody a £10 and shed for it rev vines 10 peopless bounds 19:0 Value teers from neutral of the Majority is reguments 11 Index 10 peopless for the vines 5 peopless for three Years

¹⁷⁶⁸ three years fixed as it is proved of service bounty to pupolar.

1763 Jun 17 The stort service having been for this to be of 1 a servicing on any respect but on the contrary, to be describing one and purposent of the service was reserved d to, 25 pupolar bounty.

Government a more efficient fighting mechanic than does the present system, and that too at a

dmun ched cost "

(2nd) With r grid to the first part of this question, namely, the value of hill stations to health. I reply thus Typerrence has amply shown that as in the case of officers and then families so with soldiers and their their chances of maintaining their health in the cool elimite of hill stations is as a rule, considerably greater than in the hot change of the planes, not eitheless that this tale must be accepted with cert in limitations and provises. An adult to derive ill advantage of a bill climate in India must be free from organic diserse, not of relaxel or serofulous drilhesse, and functionally sound as regards ere thron and respiration even then the change of atmospheric conditions by no means seldom induces an utitad of illness of one kind of mother the hability to suffer being in proportion to the length of time the person had previously resided in the plans, while again, persons are by no means seldom met with who, beyond doubt, eugoy better health in every sespect in the planes than in the bills. The circumstance is notations that young children all other of soldiers tall on from the plans to hill depôts on of off cers taken to these resorts, suchen and die in very large proportion, often indeed larger than what happens to those who remain in the plants, nor is the farither important fact to be omitted that among all classes of persons, whether young or old the danger is considerable to to momenta true many a service of persons, wherean young of our configurations of them of being attacked with librers on the negrin descending to the plums and particularly so to choler, whence that discrete as paradout in the distinct to which they proceed. It may also so happen that, in consequence of a particular secon being unbeddy at a bill station, and healthy at a plum station of a body of recruits arrains from Rightnd and sent purily to the one and purily to the other, those who pres the hot serson in the plans may at the end of it be in a better state of plans que than such as were in the hills, this I personally observed it the beginning of 1878 in respect to Welhagien and Secunderabid. Thus we find in reality that the odi untages to health which hill stations undomitedly possess no by no means without their counterbutineing diambiels, that in fact ictual occurrences indicate the necessity of our not expecting too much from hill climates

With regard to the second politon of the question **mucle*, as to the effects of stations hile Peshawa on the health of regarents taking the held, I can only reply with reference to past expenonce and observation. The preservant is an example of what is called a rederious station, at which soldiers, if resident for a considerable length of time become affected with diseases so designated, the result is that the longer the residence at such a station, the larger the number of men who suffer, the greater the extent to which maintain enchary, with or without originic disease becomes confirmed, and thus the fewer the men whose condition enables them to undertal a artise military service. No doubt the excitement of the field has, in some instances a remailable effect upon the payrique of

individuals, and, on such occasions some recover their health in a remail able way, as a rule, however,

conditions in most on le servity, soft as livre been represented them:

(3rd) 2by cases on the saly set of 1 ill stritune get outly has a bleady been expressed at consolerable Light, and double up ny journationey on the subject survey or defaund a published, should the Army Organization Commissions of deare. My openious with regard to the question of the value of those suntary no in port given in the preceding section of the present paragraph. For the sale of convenience of reference however, I summure them as follows namely-

(d) Her do not afford to the thoops occupying them count lote exemption from the fevers more particularly medental to the plane, withough those occur at such sanitaria in decreased frequency and

seventy as computed with the lon-country

(f) Norther are they example from epidemics such as prevail in the plants

(c) When regiments we contrib them them stations in the plants it which they have been resisted. by access ackness the he liky nequire bodily vigor, but the weakly, particularly such as suffer from derungement of the housels, suffer servicely. The higher the elevation and more nonthern the latitude,

the more apprently me the latter class affected permenously

the more only control are never cases metacon painteness.

(4) In the case of regiments such to a northern hill station a couple of years rifer sustaining an outlined of cholors in this plans, and having present he infection to wherethey stations in this plans, the loss by death during the first year at the hill station has exceeded that of either of the intermediate vers

(c) The winter senson senerchy trees men affected with the sequele of fever or with organic discrete, the applies more to the full stations in the north of India than to Wellington
(7) The I butty of men who had suffered from periodic fever at Pechania to be nitialled with rhenmatism and otherwise be permesonely affected at a hall station, if sent direct to one, was so

definite, that in 1801 the 10m was adopted of sending such mea in the first instance to Leiczej ore as in intermediate stage and as as recorded, with good effect. (q) It has so impressed that a regiment which has suffered severely from fever in the plans and

I con sent to a hall station in the hoje of getting rist of it has, after a chort interval, sastained a more exercitive, of that discuss than it had in the plains (!) As a principle, the climate of a hill station is well fitted to preserve a regiment in good health if sont there direct from Lugland, or after a short residence in the plans

* Teaboer the the verse to feet on 19th August 1879. On 23rd of the same venth the subjected telegram dated Louise

** If take or interests to the man management of the Companies of the Reid of any recommendation of the Reid of the Companies and the Reid of the Companies of the Reid of the

a die ne sal deute dip. on a sprobant on a sero manufactura del consideradi para a Approbat. A la consideradi para a Approbat. A la consideradi para a Approbat. A la consideradi para a Approbat. A consideradi para a consider

(i) Those who are beginning to suffer or whose constitutions have been lowered by residence in the plans will generally derive benefit from a residence in the hills, but those whose constitutions are severely affected, or who suffer from organic discuse, will not

(j) To three nevens, the effects of memory an old structure non regiment to the hills are not desimble, as viscoul diveases are prone to occur in a large proportion of the men
(ii) Such stations are admirably adapted for the acclimateation of the men of newly arrived drafts and regiments, for strengthening young recruits, and for the restoration of convalescents and of men lowered by certain kinds of disease

(i) But there are several discuses to persons affected with which hill chimates are directly minucal, consequently such cases are, under existing regulations, prohibited from being sent to those places

60 Hill stations, by embling a person to pass through a hot season and to proceed home, thus undoubtedly save lives that u ould otherwise perish

(n) It has been observed that regiments suddenly brought from a hill station to the plains had

there to undergo v process of neclarationless concerts to make to a segment fresh from England (). That "there is nothing more colonisted to bring Indra hill attions into discipite and deprive them of the reputation below described to bring Indra hill attions into discipite and deprive them of the reputation below described in the state of their chinates", also if it "hill attions for Ironpean soldiers had been found converbed described in and that the otherwise attacked in the Sunday one as a readence for soldiers is less decidedly and that the other foundation of the soldiers had been found converbed attacked to the Sunday group as a readence for soldiers is less decidedly favorable than had been antrepoted ?

(p) The general result of observations is that hill stations are in their influence not so much

curative of diseases as preventative

(a) A considerable number of instances are related in which sailly regiments on being moved to healthy stations in the plans, as Rawal Pinds Barcilly, and even Dum Dum, recovered their health

more speedily and completely than did others sent to hill stations

(r) As a matter of fact not only has the ratio of monthly been less in some regiments occupying stations in the plans than of others in the hills, but during the campaign of the mutany some of the regiments, including all three branches of the service that perform a the most addition service, had never been at a hill station during their period of service in India, amounting in some instances then to fifteen years, while the two regiments that were brought from the hills and immediately exposed to the fatigues of service suffered very severely

(a) Except, therefore, in the case of young and immature lads, I believe that careful selection is required of cases suitable to the hills and that no general removal of sick men to such stations as pro per, also that as already remarked, the effect to be lool ed for of those chantes as not so much curative as to prevent the occurrence of allness, and, in the case of young recounts, to enable them to grow

into men

ANNEXURE A

No 4, dated Madras, 30th October 1876

From-Surgeon-General C A Gerbon, M D , C n , Honorary Physician to Har Minjesty, &e, &e, &e,

To-Brigadier General R C Stewart, Adjutant-General, Madras

I have the honor to reknowledge receipt of your letter (Confidential) No 2027, dated 17th October 1876, conveying a copy of a desprich from the Sec stary of State for India on the subject of enlistment, length of service, and is engagement of British soldiers in India, and requesting my opinion thereon

As enumerated in your letter, the points upon which more particularly my views are solicited

are the following, viz

(a) At what age is the British solther of naturally cound constitution of the greatest value in India, considering the natine of the services that may at any time be required

(b) As to the actual age of the individual, and period of residence in India, and how for the

most efficient age as affected by length of seavice in this country,
(c) As to the age and length of service in India at which a soldier of good constitution may be expected to deteriorate in efficiency to such an extent as to render his continuance on the effective list no longer advantageous to the service. In this are to be considered, m reference to them value, military experience, habits of discipline, and all other qualities that go to make a good soldier

In more than one of my published worls in connection with army similation, I have discussed the relative advantages and disadvantages of young and old soldiers, with reference more espe-

cially to the requirements of militury service in India

To the data there brought forward I shall now refer, m order that the grounds upon which I arrive at my conclusions in regard to this important question may be made clear, being well aware that officers of high reputation and of much experience hold opposite views upon it

4 I premase that the term young soliters, according to my reas, as attended to apply to such as are as yet manature in physical development. Instruct, therefore, as the period at which a man draften shill physical instructive rouses counting to instruction, the proposed in the contract of the period at which a man draften shill physical instructive views counting to instructionality, if followes this, while in one country as soldier might be considered a curg, in another a man of precisely the same age would not be so. Thus, while a Greek or Roman soldier is considered to be fully matine at twenty-three years of age, a German, Prenchman, or Briton is considered not fully mature until he reaches the age of twenty five to twenty-six

5 It is also necessary to observe the distinction that exists between the term old men and old soldiers The old soldier, as observed by General Trochn, as the man of twenty five to thirty years of age, who, while still retaining his bodily activity and class, has the advantage of military experience, and especially so if he has suived in war, the old man is he of thirty-live to forty years of age,

(830) Appendix IV.]

The espect and activity have alika failed, and who, in its engaging, has no further interest in the s reportion to pas, the request number of years to entitle him to his setrate

6 It is further considered describle to observe that, not only is the existing difference great in the (Imprioral and other conditions affecting multing service in India as compared to those in the

Unit d hingdom but il at this being the case, it is inr to expect that the playered state of soldars must be modified recordingly

7 The principal somes of multars non efficiency are undoubledly sidness morthity, and invaliding It by no means happens that all these lear a constant ratio to each other. Thus there mu be a high rate of sed ness with small mortility and involuting, or a small numerical rate of sed-ness with high doubleate. But besides these, multiry non-efficient, may an efform nearprofit on the part of individuals to madergo the fitigues mudental to service a dyet the fact not appear in Thus men may full out on the much in some mes mees have to be cauled and so to all intents and ju joses be non effice in a mid a burthen in regard to an active force which at the same time, there may be nothing in their condition to justify or demand their admission anto hospital

Still mother pant must be alluded to namely, the manificance of more statistics by themselves to convey a correct impression of whit they are often int aled to ac . Indeed this falling of

recoges is alluded to in the desputch of the Secretary of State for India.

lo illustrate my menning. I observe that if we suppose a certain number of soldiers to die or be invalided, eq. it the end of two verms' service in India, in eq. in number at the end of this perms, we aimly a mercage and find it to give the residence in the country we as, a conclusion really it variances

while with the state on the one sale and those on the other.

With these records 2 preced to observe that the relative advantages of joung and del soldiness for increasa and topped; a true as no new subject, their relative advantages of joung and del soldiness for increasa and topped; a true as no new subject, their relative mentional demonstrates were nell understood in unitent times there were so also in much eval wars, but, for the purposes of this commu-

mention, at is sufficient to refer to more recent times

10 The late Dr Robert luckson records the encumstance that, in the war preceding the French Revolution, several newly taked regiments were sent from Laghad to the West Indies that though not a man of them died by the sword, yet, in the chort space of two years, there sourcely was a soldier of them left

The late Sir James MacGregor discussing the same subject observes that in the mine months from August 1511 to Way 1512, the /th Leat lost wise in the West Indies, by death recruits

months from hogges for the day of the first of 67 pc 1,060 the doil to cot at the rate of 50 pc 1,060 the doil to the rate of 50 pc 1,060 the former and 50 of the latter 12 the former and 50 of the latter 12 the former and 50 of the latter 13 the former and 50 of the latter 14 the former and 50 of the latter 15 pc 1,060 the latter 15 pc 1,0 men, he observes unth such a system, we may have troops of tokardy good apparamee, but soft on occasions of fatigue and pravitions Were that he adds extempoured coldens, those 50 000 men who under "Un moteorie proft to Poor go mate 1 i mare 1 in a 186"

General Bouncyprie, in the course of them monity, agree on ecount of the Pedinontes: and Ansien in runner? Were they not just the monity agree on ecounts of the Pedinontes: and Ansien in runner? Were they not just just the property of the and partially truned lads for purposes of national defence and those for garesise was

A country never is manting in me; to resist in my issue of to support a great will but it is often wanting in soldiers. The contrist intended to be here drawn between the classes indicated by the

words it ilicized as sufficiently apparent 13 General Prochus observes that Napoleon's soffices who, in his successful war of 1800 in cluding the battles of A: sterlitz and Jena, consisted for the most part

4 L. Armée F marause en 1867 of men of twenty five to thirty year, of age, who although young in r gord to period of life were old as saldiers and in experience. So that when in 1807 to 1800 the severe lo a to which his airmies had been subjected rendered it necessary to fall the runl's with young served to a to 8 inch his vintues had here subjected resolved it successful to fill the ruis' with young rich, he found that these menture coveraging because a ways drags upon the no e chicart; it of his legions here his superii distructs upon the Service to send in most not loys. In his rayport, he gave no sett the call of all sees, we tablely, o e ruid ding, he preferred the loys. In his rayport, he gave no sett the call of all sees, we table, o e ruid ding, he preferred the loye, of first to find." "But we real that to story the ruidshess and lift the logistic he². According to lun, the native of the recent should be consided to ten year with its, much he has restoled the reg of their? He are the story of the recent should be considered to be greatery, a won as in his greatest the right from his thritch to his fill of he v. Their is fluore a substantial of the story of the delice when the Appelion when the opn ors were first expressed, and neither to perform served in India or Algerra, jet the views of such an authority ire entitled to very great weight

an actions to refuse to very green ungest.

11 forcerold Community gives demoker example to allocitation. In 1818, the old cramy of A poleon hang been reduced to bill this number selfore. Moreon I have found to bill his result with a selfore the condition of the result with a selfore the condition of the condit

ren. Buttern. Dresen Leg 13 and Hanau

lo In Chapter Wol my worl on the Hignene and Surgery of the Prince Prince II I I In the part two an way we no range we compare to see a constitution of the set by the set by the set by the set of the set by the set of the se

The shift t_i distinguish hand so hand θ_i hing addons tool, where, we in least did the colling to the first t_i function as greater than the collinguish t_i and t_i for the first t_i function t_i for t_i for

of ago, who had talen part in the campaign of 1866. A contrast is also drawn between the initiary qualities of the old triel Trench soldies and his countyman the newly levied in rule. Eye witnesses have narrated the obstinate struggles of regular soldiers of the French army against their opponents at Gravelotte, Orleans, and Sedan and contrasted therewish the results when recently raised and mexperienced levies, such as constituted the army of the Loure, found themselves opposed to soldiers mured to battle

It is observed by correspondents and others on the spot that, when that army of young recourts was defeated at Beaune L. Relands, the great difference between them and trained soldiers was no less

apparent after that reserve

The difference between regular and truned soldiers was no less evident in regard to the defence of Parts argument the Germans so also the difference was observable in the fighting qualities of newly-respondences in the culty part of the stage, and of the same wen later on in the defence, after actual expenses but, in a manner, transfermed them into old soldners.

17 With special reference to India. I would report what has already been observed in regard to non-efficiency occurring among troops beyond whit is indicated by more statistics of sickness, mortal-ity and invaliding. The erreamstance is well known to officers of experience and has been demon strated in actual nar, that young soldiers and those in then earlier years of residence in the country are less able to bear up against the fatagoes meadental to long manches and exposure than are the older men, and those of longer residence

Not only had the first great check been given to the mutany of 1857 before the young levies afterwards cant out had arrived, but when in the latter part of that year, and in 1858, newly arrived regiments came to operate in concert with those of longer residence, the contrast between them became

way apparent
Take, for eveniple, the 10th Foot, in which I then had the honor to serve It arrived in India
1842, and had served continuously in the plans. The 88th was unother of Indian regiment
Both these corps formed part of the had force made, the command of Six Edward Logard, e.o.s Date the performed successive members of great length, often in the day time, and during the heat of April, May and early part of June they, on some ecusions furly marched the colol sepays down and destroyed them, vickness among them are actually less than it was in some of the more recently arrived regiments that remained in cantoninents, and the 10th Foot only lost two may be next-topolities. failteet agginest a time principles are the field. On the 4th of June, the vector of this way, propary during a period of eight mostles in the field. On the 4th of June, the vector of Chinwark in the Jugdaspon jungles took place. The regiments engaged on that occusion included the 6th Took but recoulty invited in India, and composed to a great citer of a young lads, the 10th and 66th famous almost extractly of old soldiers, who had been in the country cigit, ten, and fourteen years. The consons in selected for notice, for the research that it eccess to me to illustrate the question now in hand

It is to be observed that the troops were employed in the open throughout the entire day, that the sky was clear, a ficree hot wind blowing, men and officers dressed only in their trousers and shirts, too say and contr. a note on two more moving men was concern stressed only in some reconstitution and ultraty, from time to time to supportionarily officers, all of our times well over correspondent and them, proceeded until getting day, we were gird to repect the operation. Under such encounterines, the relied were congrued, directual, depressed, and prosessed as substance of not loss than two or three miles from the position they had take up. The cose of the 10th and 50th in fair pure in overzoid; and beyondtid the fingulates. After a stoke rest make the shide of texts, they nanifold had be the form the position that of the stoke of the control of the shide of texts, they nanifold had be the form the position that the first pure of the shide of texts, they nanifold had be the form the shide of texts, they nanifold had been the shide of texts. p, doubtless elated with success Of the 6th, numbers of their men by on the ground fagged and unable to resume their march. They were placed upon guns tambrils and such other conveyances as were revisible. I remarked to some of these men that evening from the Cup as they but comes they ought to have been better able to withstand the heat than they were, the slepty was—'Ohl Sin, the heat of the Cup as nothing to this.' These facts are relyed more at lengty was—'Ohl Sin, the "Experiences of an Aimy Surgeon in India"

For purposes of illustration, I take the published statistics of three periods in ightion to which the anniary and other conditions of our toops in ladia presented a very great contrast with each other. In the three years suchaining 181a, 1816, and 1817, smallanen, though larged by anny medical offices, obtained thick is engenteen as comparison to what has of the years been accorded to it. In the last named year the errore wied severely among them, yet for those three years the ratio of deaths per I 000 among British soldness was 41 40, of invaheling 25 00, or a total rate of non-

efficiency equal to 66.49 per 1,000

The second period elected includes the three years 1804, 1865, and 1806. It succeeded one of the most virtuality outleads of closes i on second. Samilation and fall on so great a study that it may be considered to have been in fishion for the time being long service was, however still the rule, nor had the existing line of magnificent troop ships been established

We learn, then, that during this period of three years, the state of deaths ps. 1,000 mean strongly was 25.95, of invaliding 19.90 making a total rate of non-efficiency divid to 63.72 Ameter sanitary releases, as they off themselves, not a justical, hope, were expressed with a flourish that the ratio of non efficiency was about to be reduced to a normal rate of 20 per 1,000 nontrast was mer such as the discretify was most to be reason to the reasons, about that discretify in 1,000 Army melrical efficiency experiences, more granted at finite representations, about that discretify mental usually course a period of healthings—for the simple reason that the more delectal and susceptible have been swept very. But at the same time they I new full well that direction and other influences affecting the health and like of shows in Indix—as British are—rowarmed no effected.

The third penied scheeled is that including the years 1809, 1879, and 1871. In iddit on to the fact that including the years 1809, 1879, and 1871. In iddit on to the fact that increases of anny ingreene had been priceed on almost to their intrinst, Luga and publish barriels at some clations imished, the system of short service introduced, bill stations extensively utilized, transport home and been made easy by mount of magnificent ressels already allude I to

In this period, then, we learn that the rate of mortality was 22 S per in lie, of involving 46 11, In this period, then, we learn that the index of mentality was 2.2 per in the 6. invariant will be a count to a final rise of mon-discence of 68 4 per 1,000 to requise 66 40 in the period for 1815 for result seems to me humbriding. I raturally ask myself. Whence comes the cause or causes of this neutritarition of all the mere was of hygeric that have, a visit expense been brought into oper time? And can only reply. To shortened periods of service in Judy and the construction are that these becomes necessary. That a similar explanation is variable, moneyfied as contact and noted upon as, I vantum to submit, shown to be the case by the very obviously



[Appendix IV

From the foregoing table it is evident that in all the three corps and in I list Royal Artillery

especially the sichness was gre for among men over three years service 2n l −No data

or ! —From having seen the benefits I am strongly supre sed with the value of hill son type for

"I - From naving seen to exist in a run security injure see, it is in the variot of in its far trial for mind do with certain does not seen seed for print of circuit even und for the ownth function of excess of the stoameth as well as for III of a goal obsesses and I can strongly in frover of II pop agoldners and of experiments fairs are rung from langland being stationed entirely in the hills to the fullest extent pos ble

Dr Co un Smit Deputy S r-geon General Indian Med on De paintent Madras No neo matten on the subject in conjunction with the late campaign can be g von by me except from hearsay () Yo ng sold e s are always more apt to I noel up sooner from

fritigue a d'expos e than are old sold e s

(5) Our hill states for those Well agton s of the genest value for men weakened by residence a the plains and where there is no sugar o discase. Young oldiers have generally had

extremely good health on these I ils

(c) Hill stations are valuable as san to a fer metalide who have suffered from debil to caused by residence on the plums or found it can be e there is hitle ourse c change but when it ere is deeded organiced eve or in his from my experience on the hop is I would recommend hill statems to lava deed all to ght I lave him a circ of (consumpt on) plus and wery ell on these hils The health of young solders on the hills is see crally remailably good and there a no doubt general I calth is I reserved by eside to on these hills

D 7 6 those, Deputy So gens. Ac as I cass der n a m I tary seuse the Europ can sold ers or toe agreement I i see s A erst. Dis soon Pedia var I eld Force we e not subjected to any undue fat gue

er exposure

Any exposu e which took place wis to the fie on Afghan sun during April May and June the res it of l v n. n tests which d d not also d suffice ent protection. This exposure seco ding to my obser at on affected equally young and old sold ers

There can be no don that to the beneficial ring of hil stations on had as of Europe in troops and

this should be carable of diect proof from the vital statisties of the army in India

The bird effect of pre one cappe we to the in have a milescore of the Polla or Valley we vary mil led in some of the tag ments compare up the fat D as Perhwar Pold force. After a few works server the 18th Regiment w a just of less de D star and removed from the fat 1-d a result of malar one few and it concern timis. The R de Dispuée was subjected to an it influences at Perlawary around to tain ing the laid. The od in gli as it halls and common centing in e of service of the production of the production of the contract of the contract of the production of the produ Actuation by wroten of the gas are that it was a given by the property of the first prop nfuntry a d let Si he da ag the waster months had from 10 to 100 men d ly a hospital the r mo tality was I go and in the op mon of the medical officer was directly afficenced by previ oue malanul pe soning

From an expense co of some twenty years I have come to the cond to that he stations fall very shout a accomplete me ill the good a should reasonably expect from them if constituted and very now in accompany egy in we good in extensive very now of now in the internal consistence was administent by now in shadding stunded at assembles, a learness to make the buyings for units splinnth beys and well by nod I am at a doften lavy sold as I hele eve as at perent count it ted they often severta action entire guilances on the no also dit seed to end come que if the data the advantages as health resorts are mid in abeyance. In most of them the amount of militing exercise - I do not mean parades and dr ll b t m I tary eve eves in the broad sense in ab ch the Romans unite stood tile term -is I Sold err with them food oop out for it can clothes wished the den in hir nois cliented are left with b temployment. Cited I was gride with hill act ones and when any vocurity excress it taken it is too often in the praise of layer both that I have a sold of places. As long is bill statons are etanel nother peent to more convie cont depôts I bele e tloy or llot ans rer State that the text per in that the centre are not because the contract of the centre and the centre are the ce convilescent common es al culd be ritached to cons at of the class of men at one cut sent to the hills as convalescents to be subjected no far as health pe in is to all the multary duties of sold o s and the discipling which obtins numbered corps. In the character of the Himmayas I see no necessity for Native serve is viil as all except on —a sepers and those engaged in conservincy ope tous. The men should the viate ash and mend their clothes cook garden—abo e all things be inst ucted in mareling and chimb ag

Dep ty Suggeon G or S C Offi er Kuram Field Force

The seg mental med cal officers who recompanied the troops in the field are ge erally of op mon that the young sold ers fell out on the mand a greater prope to a than the older and more must be men. But the statistic of the schools and mortally of the recomments that I we ben will the column since it erosel the foother fford noe dence that

the eventy of the cluste and the amount of fat gue and provid on which the troops were called upon to endure affected the lealth of the younger men more input o sly in company on will the old rine out econtray both the admissions into losp tal and the mortality der t e is these years of age have less than among the old men The amog tle men truth is that the elarate of Alghanistan las proved very su table to the Fin ope is soldiers of all ages but especially to the 30 ages men and all officers combatant as ell as medical agree that the Jung men of the reg ments have improved greatly in plays que since they entered upon this campa gn



(835) [Appendix IV.

I om strongly of opmen that the proper course to whole as to send every Notak regiment on first land in the country to the hills, and to keep it there in character especially shapted to the Duropean constitution, and only to allow it to come down in to the planes when wanted. As a matter of economy, it would be far charge to Government to employ Native soldness for all others in the planes. It might be necessary, to maintry resears, to make the wantenance down to the planes to crups of excess to manouvre with Native troops, and this could be safely done during the rold season, but as a role, in my opinion, European soldiers should be always kept at hill stations whenever it is practicable in my spinner, noticent sounds after the Benday command for example, I think that the European toops at Belgaum are more favorably suitable than a most office statutes, and that for the present they might be allowed to recurs there. I advected, when vidence as Smith representations, and that for the present they might be allowed to recurs there. I advected, when vidence as Smith representations, and that for the present of the presentation of European troops (two companies) statuened at Satura should be placed on Yewateshwar plateau, and think that this would very much improve their health

The Ghorpuri byti teks and officers' houses at Poons me notorously unhealthy, and when acting as Santiary Commissioner, I recommended the themselved through as the set The following extract from a report by Surgeon-Major Gurand, in medical charge 3-7th Fusibers, will show how a regiment lately arrived from hageland suffers from being placed in unbealthy barracks on an unbealthy site.—

2-7ft Funkers

amb			Average daily sick in hospit d For cont of strength.		Average datty number of weekly men attend ung it epital orabisar at hall anatamina	Par cent of strongth	Average daily total non effective through stokness	Per cont of strongth	
1874		853	53 88	6 25	50 00	5 86	108 38	12 11	
1875		574	46 23	8 05	84 64	14 74	130 87	22 79	

Pona is considered one of our beakthiest stateous, and yet in it a British regiment lately arrived from home lat 28 TP or cost wedfective though sections. Wow, if this regiment had been attained on the falls at Mande. Do so Plack Ginny, the men would lave retinate their stongell, and their constitutions would not have been weakened by anders: The fighting power of such a regiment must evidently be much determined, and its money value is made attained by being four in the plants.

Then, agun, in the Northern Division, I legard keeping Duopean troops at Baioda Ahmedalaid, and Deesa as a very grievous mistake, and am sure it entails very heavy loss on Government. The and obtained to a military endowment of Mount Abs us well known, and expeculty in the raility now in course of constitution with run close to its lace, I consider that the Divipona troops should be unfoldered from Abscribed and Borela, the climate of which is proclamby immedia to the Buropean constitution, and that all Divipona tacops serving in the Northern Division should be located on the

In Rajputana, the stations of Nusseerabad and Neemmeh are also unhealthy for Europeans, and, as I have recommended in my variant report for 1877 as Santiary Commissioner, I should strongly advise that the European troops for this part of India he placed on the Chittor hills

Surgeon Major J H Portor late is med and clarge of Field Hosp fal lat D vision Feebawar Valley

(Laf) I have no statistics to bring forward, but from general observation in three empages I consider young soldiers unsuited for empageing. They are more subject to discase than old soldiers, have not the power as it were of resisting disease, nor the knowledge at first of how to look after themselves

They are unable to bear long fatague and exposure. Very old soldiers are, as a rule, physically unfit for campaigning I consider soldiers of from six to ten or fifteen years' service the best for active service in field campuguing

(2.6) Hill statues are revaluable for preservation of health. Statues the Pedicavar are most inquirous to health, end softers with save been queries in them for any length of time are quite unified in taking the field. There health becomes much impaired, and they us habit to attack of fever and other discuss from capsure. Then physical powers are reduced.

(3.7) The value of first discuss as sentions depends upon the course elected.

When in medical charge of Nami Til Depôt, 1862 and 1863, I found the following diseases derived no benefit from the clunge —themselms, secondary and tertury spiblis, with rhematic pans and discuss of the bones, pulmourly due se, sepacally advanced phthass, advanced heptic desses, and howeld complaint. These cases became was, a derived to benefit whitever, due, on were nurvivaled to England. Debuity riter for a, delerate young soldness, mild cases of secondary spiblis, and other skin diseases derived great benefit

Loung soldiers lately arraved in India would have their health preserved by being sent to a hill station, by which they would gradually become recustomed to the elemente of the country.

It is the young and recent arrivals who appear to suffer most by being stationed in the plains

Surgeon Wayor C Mart s Army Moderal Department, 13th Hussans

1st -The books of the base and field hospitals of Kurum Valley Torce, of which I was in charge, would show admissions at various ages and periods of service. I have no means of reference

The men of the 28th Regument chiefly filled the hospital from November to March, and were young

The 72nd Regiment were older, and more attention was paid to men's clothing (flannels, &c). but heades this they were also more physically lit to endure fatigue and hardship thru the other

2n/-I am of opinion that regiments on arrival in India should be at once sent to the hills and Lept there for at least two years,—not that, I thind, the hulls possess any immunity from co-demic diseases, but that it gives the young coldier, of which regiments nearly arrived are mainly composed, time to develop, that the climate assumiates closely to that of the place from above they came, that good food, regular habits discipline, good air, may meture and develop and set up half grown immature lads, whereas by sending newly arrived regiments to the plains they at once begin to deterior ite

Parther, it must be borne in mind that enteric, which is the seasoning fever of the young soldier m Indra, is always most fitted during the first two years of residence, and that hisblity to attack

diminishes after that period

The fact of this class of disease always appearing at certain hill statious proves nothing, except perhaps bud selections (Sabatho, for 10stance, merely proves brd selection). Any bill station in the immediate neighbourhood, or dominated by a higher range, must be unbeilthy. A station of les delevation, diverse provided it was the highest of the runge, nould be preferrible and for healther.

The value of hill stations as convalement sanitaria in cases of delighty from long residence in the

plans, or norms after lives, be, by a type seek of chirty from long readence in the plans, or norms after lives, be, by, at a parelles as thele on The maintains nature of the classic of the various valley on the frontest, if Politavar, Acks, o, cornected very untravable influence on trough triang this field. Mee who two valided child may white it of it, were constantly lable to genurence. Various causes seemed to bring it on In some conservations is not neverly in orbits at some down, when temperature dropped. After two or three nitions much become so debulished as to be valuedes as so others.

To muntain health and efficiency, I have no doubt that as many British troops as consistent with military necessates can be should always be stationed in the fulls, and that employment other than drills and parties should be provided, as a road-unding various trades or handicrafts. In the plane it is notorious that cavally and artillery are always more healthy than infantay, solely because they

have more work less idle time

Tor men who have been prostrated by discuse, or merely delibitated from the intense heat, there onn he no doubt of the vulne of the hills, but the young solden, who as to all appearance in fur health, I would keep those as much as possible tall he has time to develop and become a man

Are you in favor of substituting a system of station or garrison hospituls for the present system of regimental hospitals?

S recon General J Rev Innes British Medical Department, and I v papal Medical Other British Forces n I la

Yes

Surgeon General 7 P Bertson arm 11d on Medical Department

I am not On the contrary, I am fixedly opposed to any propose ton which mothes the bothton of the regimental hopeful and, either in egunds the personnel or atend. I there the absolutely in anothly consequence would be to render a regiment mollicient if suddenly ordered to tale the field-a very common occurrence in this country, and one which it would be most injudicious to regard as a light matter or improbable contingency

A station or gurrison dispensary would, in an economical point of view, be probably a miss inno vation, and would be unreleased with any serious meanicenessee whose as each regimental hogical Let up at all times its field equipment, from which remedies required in severe urgent cases could be

prompily usued

In such general dispensing all ordinary prescriptions would be compounded under the ilirect supervision of a medical subordinate of the positionary class, and when made up, would be carried to the hospital by the doole-heavers in a small covered wagon borne on a bamboo pole supplied with p dlock and two keys, one to be kept by the spothermy, and the other at the regimental hospital by

the hospital assistant

Each regimental hospital would formula its quote of the establishment required for the general dispensity and on the corps being suddenly ordered off, such quota would it once report the right mental institution, which would then be as complete and efficient as if it had been maintained distimet and separate while in conforments. Base, field, and intermediate hospitals are all necessary during war, but they never can absolutely supersade the necessary for a regimental medical staff, and essuedly of all countries, India 14 the one in which such in experiment ought not to be attempted essucing of the continues, many is the cone in which man are experience sources once reloops, within in the five every intrinse could have become desperie, because of should it times withinkit the forcest I should prefer not to ritionally a should. The expenseder I general obsers who from the five the confidence than I can be for the properties of the paper are negative to general hospitals. But farming my opinion from expension and the confidence than I can be found to the paper are negative to general hospitals. But farming my opinion from expensions and the confidence than I can be found to the confidence than I can be sufficiently as the forming my opinion from expensions. such institutions during wir time I am commend that they are most unprimilar with the Native soldier

I can however quite understand their distaste of them being for less in garrison, because there of cour e floir oun officers, I propera and Native, would visit them, precisely as they would in the n gimental hospital, ascertan their companies, and see to their being promptly remedied if possible

Tel accumulating a manero is left of sel in one building on an one of one on a described is relayed in more structured from the merster—the more structured to produce of the enthusat connected with the segregation of sound men into the smallest possible bodies in buff company, or even, if some enthusavite had the

power section burnels. I further believe that the introduction of the system will be the grave of instituted efficiency on the part of models efficies of the Indus crarce, which I benerity caused to have been their most distinguishing chrustlesstee indeed. Indied, one Buttain deput surgering in his report of some of the years Indian models different of the Nurchian force grave loose run to his admiration of their extensivary self-chance and remark-blu cadness under this findings, and as one might look for m man of old staining as the series. The reason sumply is that, in separate independent changes, they are early thrown upon their own resources, and soon have oblighed any young shoulders. Amything educated to means such qualities will be dearly purchased ut my cost, and will be surely graved after when the mechanic has been recomplished. The vary words of the model will be surely graved after when the mechanic has been recomplished.

Surgeon General C A Gerdon Principal Medical Officer, Bertish Ferces, Madras I am not only not in favor of substituting a system of station or garness hospitals for the present regimental hospitals, but most distinctly and stonegly operated to it, my operation being the result of length-end prisonal experiment in perce and in www in Inda, Africa, and France, of melhingy hospitals in China duning the expection to this country, as also in other places, added to much study and observation regardance and of the sestions as followed in a various armost. I haven

country, as also in other places, ancies can out sumy and solect atom opinionals of the system of hospital administration in closen different armos, Bauppen and America, besides sedening indo details with regard to the norming of our out at house, in this country, in New Zeakad, and elevative I I trust that the Commission will have with these opiciotatal particulars, they bring green solely for the purpose of abouting that body that my views with required to the present of abouting that body that my views with required to the present of abouting that body that my views with required to the present glaceton as it affects finds the unacroe B to this document contains an expression of my views submitted intelly to the Government of Malains with required to the general subject, sho, as I trust, be and the Commission, I agreed (C) in article document for the most of the present glaceton in the subject of the purpose of the present glaceton of the Present General Seasons and Intellet (D) is trustletion of an evital contenting the rows of this Presed Remote Magazine and Intellet (D) is trustletion of an evital contenting the rows of this Presed Remote Magazine and Intellet (D) is trustletion of an evital contenting the rows of the Presed Remote Malain and the subject of young solders I related to past hadory as an reference to the present it is, I thank, modified a malain to the subject of the subjec

consequence to be abshabed eneity two years of In general terms I comer, that no red necess ty has latherto shown studie for rendroducing the general system of station or general absorpties; that the dard system, aroundy, regenerated and general, has herefolder med till consumements of the servote, except on certain occusions, when they were statistic, and it all temporal left, through extremationans one whole surpriseded officers had no control, with installication personal and statistics, in fact, without ambient human not only of performing their proper including, but of certaings save in more. The forestition of styleto bequalits to the supersession of regenerated has hitherto, as I time is sufficiently shown by the effects of the parts contained in the new content and of the content of non-facility with regard to war. Their defects in Disropera and American wars have been more or less completely overed by merces of Red Cross and other associations, but in India it is underwindle.

to trust to such extrancous help

I believe that the observiors against the option connected in principle 9 of annature 18 are sufficient to prevent the alongston. In Table 4 distance hospitals, at least in the interest of the sole solids und of the source I long they are Turken objections also present themselves, in natural expensions, at the prevent of the fully considered, I say not one. It is, I think, of great importance to here in most the frech that when in 1851 regiments were such only and unexpectedly salled upon to operate against the rebels, to undertake long inverses and to engige in sower buttles, their several inclused establishments proved in every respect sufficient for the occusion. If the dates is boxilish then when exceeded, it does not occur to me by which personal mans mobile establishments, fit for astern lowel, could have been purposed threatly without nours once as those of regiments orderly were. I desse to dwell upon such norths, knowing, as I do, the desire there it present is an high places to replace regimental establishments by general, and it the same stone as they latter field in former years in this country, as they did in

Lessons in Hyg one and Surgery from the France Pressure War, also in the British and Loringa Medico Christopical Res em † Aimy Hygiene

Flanders and the Pennsula, as they were tound seriously at fault during the France Prission war, so they meet, and will be, wherever a topic? I write thus plumby in the hope that the Commission may le induced most serioris, to consider my arguments before they determine to aboust which lastory and expensione have able demonstrated to be the most perfect and serviceable of all establishments connected with the medical department of the miny

ANNEXURE B

Ne 54 O, dated 24th July 1876

From—Street Gemeral C A Gordov, M.D., Ca., Honovity Physician to Her Mujest, Principal Medical Officer, British Porces, Madras Presidency,

To-The Quarter Master General, Vadrus Presidency

In recordance with order of Government, No 1967, dated 19th April 1970, I have the honor to submit, for the information of the Commander in Cinef, the following documents called for by the Secret in to the Government of India, dated Fort Walkam, 7th April 1876, No 395, ser —

1-1 statement of the employment of each medical officer of the British service serving in

the Madras presidency on the 1st of April 1876 *

II -A return showing the places where the sick of two or more corps are treated in the same liospital "

III —A statement of the places in the Moders presidency where it would be possible, without adding to creating buildings, to treat the whole of the sick of British troops at the same station in one hospital.³

The object aimed at is the possibility of reducing to some extent the present establishment of medical officers of the British service serving in India by the consolidation of regimental hospitals Table A indicates that of 78 army method officers borne upon the establishment of this presidency, two are already on general leave, there on such leave, and four extracts to you, or performing general duties. With these exceptions, every metheral offices has his specific duties to perform. Thus, too, in a time of profund perce and freedom from epideoms. Not in there any margin in his ore felt for such contingenerics as it is right to be prepared for under the conditions by which British troops occupy. India

In former years, in order to provide for casualties and meet emergencies, four medical off cera were borne upon the strongth of each regiment in India. Now there are only three, while the margin

here some upon the standing to even regarders in famous. Some macroscope must be same as usually controlled and stall required to longer exists. For six to y my, means effect that the consolidation of regarderal better factors are not such a mereure and is subset on other genuality, noted justify a reduction of the medical staff of sometical with British troops in this presidency. Under such conditions a staff of medical discuss would be required for the consolidated loopst light and will find for regionstest to be related. 2 allong, we are crample, the hospit ils of the Prench army on home service, to every 100 to 150 sick one surgion major and three surgions would be necessary, in addition to subordante establishment, to every on the ordinary daily duties, still leaving no margin for exunities. The conditions of a regiment in this country would, under my arcumetwices, require the presence with it of two medical officers over and above the timer in treatments of the during the hot and trying periods of the year, for the performance of copining dulies coincided with framiles, hirrords, promotes, for, so that it my ustim to se correct,—mot take best upon much consideration and tothy—the constitution of consolidated hospitals would require in a new rear relief than decrease to our establishments, while metaer respects there can't grave object-

tions to such a mors iro 5 But it were to me an east matter so to arrange that the sick of Natice come should for purposes of medical treatment and supervision be attached to British regiments, the medical officers of the latter taking profess and cure of them in addition to their admirery duties. In After and the Wed John 1, medical offices of the British many thus the clumps of Native troops in Caylon, and the result, it is did so of Mayles in Chart their aftended Churce followers. In Judia I myself have held things of repost. Very little subtition would be necessing on this account to the century hed thugs of report lety introduction would be necessary on use account to use example of tablehents of evaluate offices of the day attends, more tail to the domination, a blue consider able relations shoulder might naturally follow. On some excess the initiation is that all the under one medical as well as untility infunctional. What is advertible under such extension as well as the latter of the terms of the terms of the terms of the terms indeed apparent who extension the such extension as the control of the terms of the terms indeed apparent with one whole extern the screens to terms, reconstructly, those to have more aspectituding. As matters are at pavent, the system followed as amountains and unnecessarily expenses to

the State

6. The question of extinuit hespitals reconstructed this been so mixed up with that of organization of the control ation of the array medical disputment generally, that it seems necessary to point out the fact that noncessary commutes exists between the two a larger unce has shown that a station hospital may be

non recent count tens exists betauen the two. I appearance his shown that a striken negatar may be a fall tell by expansible model of either left space, and that a regimental indeptial may true it by 1 e. In ted by man regimental medical officers.

I with direct relative to the question instantial, by hand, the administrative medical officers are considered to the constraint of the const

() Some reduction in the number of medical officers, but, it is added, this must be effected with $(Y_1 \setminus Y_2)$ is the $Y_1 \cap Y_2$ the first the number of medical ambordantes, this requiring our

() A not not a most arrange (o) O o — T of moderness, medical applicances, and matriments ly Oresta ie

- (f) One purveyor's establishment g) A small reduction in Native servands
- (h) A large field for proctace
- (i) A possible reduction of element work

 9 The following disadvantages have been recorded against the proposed scheme, our (a) No possible henchit to the sick soldier can unse from it, whatever it may be to Government.
- as in a saving of money

 (6) In some of the larger stations, as for example Secundenhood, the scheme could not be carried
 out in consequence of the great distance between the several beneals
- (c) The distance at which medical officers would be from their patients, unless quarters were
- created specially for them (d) If quarters are so erected, then the distance at which method officers will be from messes—a
- very material point in India particularly during the hot and ramy sensons
 (c) In times of sovere sickness and epidemies, delay and injury therefrom, as well as from exposure of patients to heat or run would arise from conveying men to the distance at which station has reals must necessarily be saturated from harracks at least
- (f) If patients laboring under choice a or heat apoplexy were til en temporarily to the receiving-room near their burnels, in order to meet the requirements of their case all the mens of treatment and care that are usually obtainable only in a negalarly equipped hospital would be required there— If they are fortheoming, then such an establishment would be uses facto the footing of a temptal, and so further renoval neight to be necessary. It is not to be supposed that the responsible authorities would permit the continuance of an incomplete establishment
- (g) The personnel of station hospital being stationary, as also the manner of its administration, provision and arrangements for the requirements of moving body, as an army in the field, would speedily become non existent
- (8) On the score of expense has an actual comparison been made between that of regimental hospitals in India as they formerly exasted and station hospitals as they are proposed to be? If so and the superior cheapness of the latter over the former be the result aimed at, that conclusion is different from what has appeared both in Britain and in France. In But un formerly not only did the hospital stoppages from such soldiers cover the expenses of medicines, food, and comforts, but also the pay of the regimental medical officers. In France the restoration of regimental instead of general hospitals has been, and still is, and advented on the ground that such could be traded in them with less expense to the State thun in the larger and more complicated establishments. Moreover, it is will known to medical officers of the British army, who have associated with those of the Irench that, while ever since the date of the Common war, the movement in Lingland has been pressing on to assum late the system of multary hospitals to that of the Prench the medical officers of the latter has elsen steadily endeavouring to replace their a uniform system of general hospitals for the more convenient regimental hospital after the English model of that day.
- (4) Another objection to station hospitals in this country is, that sick soldiers are removed from their friends and regimental associates at the very time that intercourse with those friends and associates is most needed and valued. It is indeed custominy to refer to the American rull was not to say since and general haspatals were an that accass alone employed. But what has been the result of the expenses so guard? General Sherman in "The Military Lessons of the Wan" of server that "the great in yority should be treated on tho spot by the regimental surgeon under the eye of the colonel, and as few as possible sent to the druspon behala. They receive better ence with their own regiment than with strangers, and, as a rule, their cure is more certain."
- examples, and, so a rule, store each is more certain.

 10 The place it is station beginnish would "finded larges field the practice than is at present given by custing exhibitablements is more appeared than set. They could indeed only do so if more cases of saciness or inquires than occur and exit has regionally system, were to be widnifed into them, and no such a centingency it is to be hoped that there is no reason to count. It is at the present time cantomary in all mining sistems eiths many maked effects meets in consultation without set. or important case is under treatment and assist each other at the performance of operations. They would do no more than this in a station begintal while, on the other hand, the readness to act upon emergencies by which regimental surgeous of experience have heretofore been distinguished among their civil brethien, would in a great part disappear by the encumetances of a number of medical officers being continually employed in the performance of their duties under one roof. In fact, the feeling of personal responsibility among them would to a great measure be destroyed by such an arrangement

 11 The reduction in personnel indicated as among the supposed advantages that would result
- 11 The reduction in governed ministrict as among use supposes unwanger with in a state of fifty a dibringh not hinted at, descripe allering. At present it is for the most party possible without difficulty to make powerson of this as of every other acture for hodies of troops in motion, also to despetch and from one statem to modies where, for the time being it may therefore the standard or in the consumerso of an endeman continents of timeses from my cruse. Under the inducing also to template an inter one statement where he was a warmer of the many template to be needed as out the occurrence of an epidemia, or mereased sections from any curse. Under the proposed system no such possibility will cast, if the technolous, which serve not the besse of the measure, be curied out. If no scale relations take piece, then mastics will remain us they now use, measure, be curied out. If no scale relations take piece, then mastics will remain us they now use, measure, he curied out if no soul reductions have pace, then masters was recoming story low one, with this suggestive difference this, whereas the peacht begainst elabalishments are suparried from each other, each particular body burng under ducet control of regumental authorities, in the case of station bequitable they would be congregated as one residualment, for the most part with lattle or nothing to do, and being so, it is easy to unregne the result

 12. In addition to these objections other points have so forcibly been brought forward by the Romanyl Medical Officer in the Hydracian Gorde, that has remarks are reproduced. He observes
- "the regunsarial system is possiblely edopted for Iod's if the welfare of the end, and the proper leading after the more returns and chaldren in burnels to the disfouncements If that he accordary constitution its large station benefits administered by most of inform, who are total strangers to their charge, he emigrated. The requested

Appendix IV 1 (840)

surgeon as he made to be on whom devolved the responsibility of Instance after the walfour of it is charge the matrixes of questions and the freshment of the role, was a most import at fine charmy and the regenerable various was a time on production on the management of the state was a time of the production of the time required to the production of the management of the state was a time of the production of the state of th

Paragraph 6 of a letter from the late Primaryal Medical Officer, British Porces in India, ottached to the letter already quoted from the Senetary to the Government of India, Military Department, contains a statement, the importance of which demands careful consideration. According to indeal, or that paragraph, the present difficulty in this country in the establishment of station tersus resimental hospitals is the fact that the regimental spatem has been so long and so firmly established in India Such is unquestionably the case, and maximum as conditions unserfrom producing causes, the question naturally presents itself, what are those to which is attributable the circumstance that regimental hos-

naturally present uses, and no uses to anothe a titude has the country present uses, and so fanly exhibited "?

14 In transp bed, this notice, and so finally exhibited "?

15 In transp bed, this notice, and only exhibited to observe it it is initiative exhibited meets as they exist alway groun by with speer! elected to the commercial of militars service. Multiply hospitch constitute an amportant item in those exhibitments. This have been gradually developed in India, as deschera, as conditions declared. Hilliants they have failtfully purpose to them in any other country, then jumpose to times of my made accesses of endemice, and now domine a service of the country, then jumpose to times of my and accesses of endemice, and now domine and a few services of the serviced do a few models as I mental to present the country of the propose to the country. period of peace it is proposed to alter all this. Most seriously do I inculente cantion ero so great a

change be made, and for the reasons which I proceed to record

change be made, and for unclevative where I proceed to record

15. It note important respects the encurrantees of warfare use different in Index from what they
are in Europe or Amousta. Consequently arrangements that are updated be not the of the latter are
unswird to conditions in this country. There, while for the most put in vary as in perce, a may,
whether for a frence, obtains protection and all things elso necessar, for his comfort from the moment
befulls and on its ownerful. Here, while the expenses of the prist, a colder woulded fire younged for the sounded are considered to the consequence of the conseque then the wounded may, as a sale, be safely abandoned, and under the force of agreements and conven-tions a general understanding exists on the subject, while in India sufficient arrangements must, under all circumstances, exist within a force itself to provide for its sick and we inded, and if necessary, to carry them along with it if in a compagn, as indeed happened during the mitting camp a

16 It is fur to assume that, wherever in this country station hospitals may be established, commanding officers of regiments will look after the interests and well being of such of their own men as may be under treatment in them Officers commanding the companies to which they belong will my maney of unter deviluous and a second property of the property o buted promisecously among the nards, all this will involve as many visits to each puticular word by officers and non-commissioned officers as there are regiments represented among its pitients. Luch ward will become more or less a theroughfure. Patients other than those who are the objects of the warm with necessary and the presence of a continuous remains of the region that the optical in the best included in the department of the continuous remains of the region of the continuous remains of the remains of the remains remains and creat the utdendates will be deplaced of this rest and quiet which their condition dominals, and creat the utdendates will be deplaced in their duties. Like hand all of these occurrences that denduling this like it is also and the remains a support of the r begind as established in their time during the occupance of thirt city by the Ditablish force in 1800 the occupance of the city by the Ditablish force in 1800 the occupance of the city by the Ditablish force in 1800 the occupance of the city by the Ditablish force in 1800 the occupance of the occupance occupance occupance of the occupance that case I ask why remove them from existing regumental hospitals and discharge regimental each lighments merely that the regimental seal should be removed from the immediate neighbourhood of their own barracks and congregated in an establishment administered by strangers to them and to their general conditions?

Is the remail made that the same thing takes place in earl hospitals? To persons fully argumented with the conditions of anistary life the kert is well I wown that a bosy tal establishment ad inted for with the conditions of infilter first before well lower first a bog filt estimitization in species of charity and professional education, is reduced infilter in from a stationary, population, for objects of which is to meet the requirements of mild by source Is the run at findher made that large mild by hospitals east throughout France? It is inspecial that their considers is continued in opto their to the majority of medical officers of that arm, who look upon their existence as a gigantic evil. But even were they approved of m Iranee the conditions of a British force in India are obviously very different from those of the Prench army in its on a proper country

Experience has shown that a eastern of station or general hospitals as itself not well stated for requirements in times of preserved is measurement of more of in. This holds good in John set of children As virials indicated, the land of organization that is entitle and not every for a station of children hospital is not time designable from that of a more able or am in an extable homeone, to need the control of the write of a force complexed an indirity operations over mexicons a treet of country. It is true that making the street of the street of treet of country is true that in times of write retainens report between my ortant establishment, as they are time that the percentage of the supervisors. From the first, that they become recay led as more times are the street of the supervisors. It is true or nounded a rene'ed from ambulant bospitals with the force in movement, and afford them accommo-

dition until such time as then are ultim tely disposed of 15. It thus some ensurement that meach times station hospitals can only be number, to those of on ambalant nature. They cannot, in actual practice, be sail stituted for the latter. In former man in out measure many camon, or example prefere, so said whated for marriare. In some was in their, and more prisonlarly during, the matine company, advisours looped about a solid, found, who exert nece and move, by the enough expedient of divisions, portions of regimental reliabilishment, running the perions of detached, the sensor medical officer presentations charge as a mitter of compThat such establishments worked efficiently and well, and that no difficulty cross in connection with

them, are careamstraces that were fully acknowledged at the time

19. Past expenses in this country has shown that its generals and bettimes boug hable to be admindipt which must to the the field, they should be at all times ready and fully compreh, motivally as an office respects, for said on emagency. During operation against an enemy, expenses this recent is remainded in lattimes as encountry is while to an independently of each other, montimes even to be separated from the force of which is starting they constituted a part. Moreous, that field forces have consonably to the extraordation from regiments on determinents of regiments withdrawn from their own lody and soldenly untell for the purpose. Thus, to ensure efficiency in bospital establishments and so the ensurations, they must remain upon a facting to dath of completely independent aution, and be it the arms time adapted for consolidation whenever troops are together in a lung operations of the contractions where efficiently not by regimental establishments as they extinct during the operations connected with the Indian mutury. If does not uppear evident how they can exist it the indication of estation inscription and stationary calculations where efficiently and stationary calculations where the adoletion of symmetric and stationary calculations are the contraction of the contraction of existent inscription and stationary calculations exceeded in \$1 is well, however, to been prominently in ground the fact that the conditions show related differ consolershy in their restate from the operations of flower in the twars in the works.

20 But it is observed regimental establishments use unthrouse on service, and impode military operations. Such under body is the cree Yet so long as it is an object to give second to the end und wounded, ample metric must be must used for the purpose. In such a case it matters not an expend their extent and unknowness whether they are commoded with individual regiments on established to biggide and divisions on the pumpole of the ambellione system. In the former so long as creaminess on a fivenable each regiment of each pit interest follows the regiment to which it belongs. In action those of the second regiment of a bilinguished on division untel together so as for the time being constitute and field beyinging, again to separate when the lattice were. On the line of much believe an entire, the height of the dispersion of the proposal of the constitute and the dispersion of the proposal of the matching that the other of the proposal of the prop

which the latter are not

If The question of states beapalal in hen of regimental is in reality not new in robition to British teorys. But it is important to note the encountement of the these boundaries of the bear in my interest or depth of the less 12 (2), which I regists torget note one engaged in Products, general and sixten haspitals had to be absorbed in encountered of the evil i tenting from them, and regimental to hoppital solutiont in prive of them. During the Pennashun was general discipation, established som after its eccentacion, were abolished and tegritisal softwird in first at it was profite to the contract of the private of the contract of the private of the several home gurroons into the system having proved to be object foundable the private specially discretishing after the comparison of the contract of the c

neutric annexes, commenting that general officers In France the Little natures in which zeroy method offerer spress then objection against each set evist in that country is that in them 'the necessities of the sick we accrided to the repairments of the definition of the single of the sick was accorded to the repairments of the definition of the single of the singl

ANNEXURE C

Army kospital establishments duri g war

In briefly teviewing the rise and progress of organizations for the crite of and attandance on and semided of camer, it is only necessary, for the purposes of the present article, to consider those of comparatively recent times, and such as we have no operation. The anhabitors of temperate beginning and establishment canted and adapted solely for the purposes of near, and is taken of to have been first complex. In Exempt, nearly, made the elimination of Shilly in the force before Roman to 1941. The first school recently as an organization was in 1931, and we have the content of the school of the s

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Unformatch, the letter institutions, effect, remote of conditions in fixing, were long information of a view and reliance state, although their reintroduction and development have recorded to the condition of the lands allowed their reintroduction and development and recorded and including a materials care of interests, plus to make a land and applicately and the continuers and applicately, the test of a pressure state, so still, the function of the settlement was pressure and applicately, the result of a pressure state, so still, the function of the settlement was press and in the property of the settlement was pressed in the settlement was pressured for the condition of the settlement was pressed for the condition of the settlement was settlement and the settlement and the settlement was in large all on the condition of less success to unforce a consendable single system and their acceptant remove. Let us then usuage in the form of a survaivine some of the more important to control out the fartfull engage of unforced in the exhibition of the settlement of the settlement and instruction of the settlement of th

can't placed for juries et ac compression in measurable. When to not, the models of the explicit place and the models of the explicit place and the model art up, next were clearly regumently, temporary general bapt the bung formed in Chant and the model art up, next were clearly regumently, temporary general bapt the bung formed in Chant and the model of the model of the model of the explicit place and the model of the explicit place and the model of the explicit place and the model of themse with each regently when models of themse with each regently when models of themse with each regently when models of the two one model of the model of these with each regently when models of the two one model of the model of these with each regently when the model of these with each regently when models of the two one model of the model of these with each regently when models of the two one model of the model of these with each regently when the model of the model of these with each regently when models of the two one red one of the model of these with each regently when the model of the model of these with each regently when models of the the work is the model of the model of the model of the m

another than they now are long a surgeon and surgeon's main an marker than they not the field, so the great part and the surgeon and surgeon's main at 10 kg, in the field, where the great market with the moderal efficiency, namely, three buildings are 10 kg, and the regiment accomprising the surgeon and the field and the largest extilial three transitions are surgeon. These with the regiment accomprising the main free fines the largest or the largest and the price of success at large market great markets are first the companies. The surgeon and the largest of the largest and markets market for companies, which is largest and the largest of the largest or the largest and the largest of the largest or the largest or the largest of the largest or th

There are it do be not be it frequenting we not be different to hap, be paint ner who it is provided bomble, foolier it is now, and next be forest to be different for all still jugarated materials and it is in the provided materials and it is in the provided materials of it is not a first in the provided materials of it is not a first in the provided materials of it is not a first in the paint of the pain

When the starts with into a intersprictes it Greenish every regiment and corps had its our to pith (it. If the bright end througe under the stiff surgion in general change, the end the force in the treatment of the start that the s

of the service of the

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effect ocom de accompa y giben kage number Bandonnem vere il zula astreicher bezre s a dù lo le tayre sel unto e seve e Tempo hoptove e thide in firm louse the ounded pacel upon tell gestudel historiens of the U plendy of blankets Attendance and

turs ng were perio med by so dier o de lie helongung to reguments engaged.

S becquent to the perce which for out of that dees a battle the true Medical Depa tment was og n ed according to the regimen alla distatts sems both orking together. Difference of opin on crusted among the member of the Bord of Dicchon as to the relationations and n 1 of un el bo ate col of egulat one for the latt r desc pt on of estab st ment was published. After a breftra lon over the system, as abindoned the gene albosp this educed to a very few and for many ye s the regimental me procum no t No more perfect sy tem than that of the regimental hospital n times of peace was ever est bisled whether the H t sho any oth r a my. The expense of adm n test on was holutely I and not only that but after the charges neared on account of food med one was not tear of lost tals and their equipment had been defrayed a sufficient sum rema of from the stoppages charged gainst soldes I le nder treatment sufficient coully to meet lejay such by Coe meet to the og m nish sarges and as stant surges. That defects ex stell n some re peets the some try p p fort system as quite the und the communities of the resolution of the older note of left set it the restin too finded to fifter so the ring ments was less closs and st cty defined than t mglt and o glt to have been. Little by title improvements in a lithese respects took place and 1858 when the late Wir Alexander p ced those relations upon If it is used respect to the purpose was about the same and a state that there is the same and the same and the same and the same as the same and the same as the

I not only the cure of homen types, but of sound a legy that the S to should prove all or new or and of the electron of and to the possible of a lab of a most and used out dof the possible of a lab of a time.

Accordingly Government to ad a necessary to me ease the pay and hilf pay of the med eal officers of the pure and to led out-offer solutions for a super o class of must no true as such
T ey d a on age in mbe s A egu our cultum of study was lad down or large to will
note along the contract of the pure and those yet earlier to will
note any out-off the contract of the pure and those yet earlier to will
note any out-off the contract of the pure and those is a scaled base to the
contract of the contrac tfequen ly the names of from one to two unded from alch a selection cold be made. Bit n the long intervior peace while to be educated as the selection of the light of the tracts of the army ele neglected and so educid in respect o mai risland means of mobily that who in lived the object of the Comm. Not, place used the de showers as counted we end to only numble consistency on one to be a not or we need non-lived. On those on on of cort outplanding text to me must leat the member consistent of a must car yang i more force to and merode the latter having to be obtained monage those found staying along the consistent of the major of the four language of the condition and of the registers in the tables do that the registers in the tables of the cylinder condition and of the registers in the tables of the cylinder of the registers in the condition and of the registers in the condition and of the cylinder of the cyli 1504 the ou beal of the Crin an took place such e tab sh nexts as existed we e not only usuffi

His smitten pould be charmy ophoses somes a year of of the locations as the side of the second of th

where the control of the control of

estab shments on the ame occas on -

As puth our over establishmen's the Tren h lal not posted by the experience of the past. During ther visin Algeria from 1830 on aids come at filmes at ealed the volting of ther amh nee system that fi re negord g to Co nt B eda being e fles a as the system as 1830 so t as m 1841 nd with t e same es lt-disastrons f lure aclf and yet

Most into timately as subseque to c its in connection with the urmy hospital organization have proved if each persons we ted the C men locacqua names with regimental establishments as smply a / b t hose op one s to suel in there had been form d by obse at one a thireg d as supply at 0 t nose op one sweeten means an ever to the Large exhibit hemeter. In Lordon Ketter need to easily one of the C mea ever need when such as to who may preserve the first water ever shy into this been the one first. I have not seen to led one of time to work to meditions and the seen to led over brand dissoft mess of the tony ex an Anne e. Tree Turley I has mad soo. We the appr over hund elso fines of te tory as a Ame e Tree Tordey I ha and so o etic apprently ceth y in possession of leas with regard to the orlong of grassia, the spitas times one of proc Th so of a conclusion that the furthering as to press upon the a my institutions must bed for model by sud on the other to a press si loss that we so
In 1869 a new or le of Array Med el Regultons was promulgated. In respect to establish ments for a five sev or the occument is on of Mr. Alex and afterna de D roctor General as

acted upon namely that each battal on br gade and does on should be complete in test? The scale

according to which medical officers for copys den de had been ent to the Crimes was also taken as a stand ad, the medicanters wade in it being few and mainipartant, or ,—

	Vederd officers per icitali on	Arraneements f sel	Totalı elmi officer	T fal qek.
21 Tefarty I is less 6 Re n et fur by 4 Estir Ber til Ber 11 foo 7 Bin over Poul Engineers	4 3 1 1	20 20 1 6 6	84 16 4 11 7	4°0 120 24 66 42
Total B. orn at Model OF resents a Learning learning of the late of the Learning of the Learni	8 2	00	124 18 6 4	6/J 240 ?
Add Perc so at 10 per cent Crand total per corps d'arm e			182 18 230	91.3

It is divine at first glence that these numbers are set of proportion to each other, that in lest diminand head-question will never a scalabilishments have not been red until for 1,085 acts and woundle in order to run in 9,500, the population for indeed, according to all calculations at the necessary to make reportions up carry after no 11 seeds, no a matter of counce, be easy to carried hotses arrived by the set of the population of the set of th

The syst in Jar. In down we never tested in clearly wer. In 1800 C1 the expeditionery from proceeding to Clean. On the conversion heigh every a well-a depth obtainment, was formed it. If $g \ge g$. It was the height obtainment was formed in the $g \ge g$. He was the height of the depth of the moderate set for largest. The moderate is all all interest year transported in the cities form; on with a part of those with regionests in part of * 6567 (hospitals Alberthe 556 Albe

At the time, the large-lengthstate is bounded tool, plose. There unbullene est believantion is complete for the large la

the state of the s

were adopted and worked out by the executive sufficienties. It is true that from the first the aubulance system was carried out almost entirely, and here are some of the attendant conditions. Medical volunteers were called for, but they being ignorunt of military medical duties, and especially of the art of preserving the health of them men bears losses in lattle and by signers were the result. The attendants upon the sick and wounded were rough untrained men from the ranks of regiment the actual arrangements for the wounded in hattle, it is on record that at Antietan upwards of fifteen hundred wounded men u ere lying upon straw in burns and other out-houses besides several thousands in the open air, for whom no shelter or true-port could be provided. A little later and improvements were effected in ambulance carriages and other means of removing wounded, such as had never before existed, and which, for conditions such as existed in America, I we not been equalled and probably never can be excelled. When in 1870 and 1871 the American ambulance worked in Paris, bringing the nounded back from the field of battles fought around that emptal, there were none who looked upon that establishment except with admiration. But it was only stated for, and indeed only nice say, in time

According to War Office Medical Regulations of 1878, page 72 the following is the establish

ment of med

medical officers for regimen	ts with	i un urmy coips, say, of 30,000 men, 122	_	
21 Infantry buttahons, 1	to en	eh.		21
6 Regiments of cavalry	.tp			6
4 Batteries, horse artifler	7			4
11 , foot ,				11
		Royal Engineers		
3 Divisional and reserve,	l to	enela .		3
2 Half companies ,	22			2
1 Troop poentoon trans	22			1
I Troop telegraph »	22	***		1
		That I will recover to and some	-	49
		Total, with regiments and corps	•	50

In addition to, and irrespective of, the above numbers, the following are required for ambulance establishments and reserve regiments

See pages 70 and 71, &c., of Regulations of 1st January 1878

For a discuss —Administratore I, a second to be appointed 1st line, bearer company 8 2nd line, 2 field hospitals 14 eveb capable of division into two sections equal to 100 sick cuch, or 200 per division total for S divisions, S administrative and 69 executive medical officers

Administrative staff of army corps —4 administrative and 1 to be appointed — 5 Cavalry brigade —1 heaver company, 4 executive medical officers

Corps defails -Administrative 2

1st line, 1 bearer company 4, 2nd line, 6 field hospitals 42, total with an army corps in the field, 4 administrative and 125 excessive medical officers Administrative staff 6, 13 field hospitals at base of operations and along line of commu-

Total of all classes for a corps d'armée, 226 medical officers. Add to these the regimental as above sus, 49, this will make the number 275, with a reserve of say 10 per cent, at least 21 If no compare these numbers with corresponding establishments of Continental armies, we find tart, according to the system projected by M LePert, the ambulance establishments in 1 rance upon their improved scale would include for an army-corps of 30 000 men 101 medical officers of all grades

and 21 pharmacians, or a total of 122, in Prussia 03 and 30 respectively, and if to these numbers are added the regumental method officers assuely, 40 m each matanes, the totals become 171 m the French and 172 m French Thus according to the regulators proposed for the wm) of Gerrer Britan, as they at prevent stand, considerably more than double the number of method forces per copy a "carefo

are rendered necessary then are required in either of the two arms eithed to

are fined to do yet as the tiese. Regiments being without young ground to day without young to them,
the requirements of all classes of persons connected with them are imperiedly and manufactorily attended to in times of peace, and during the ordinary routine of garason duty not only in the Intended to the case of peace; its angular sections, finds alone excepted, the old system of army motival administrator, that which had grown up to meet actual conditions on laving us yet been altogethed instructed in their country. Further, then thus, taking the everage number of varry medical officers in the United Kingdom, there are 5 surgeous general, 12 deputy surgeous general, 101 surgeons-major, and 226 surgeons or 344 of all ranks, so that to provide modical officers for one corps d'arriée, the entire stuff in the Umted Kingdom would be elemed out at first start, with the exception of a magnificent remnant of 48

According to the manner in which hospital equipment is divided at page 73 of the same code, there would be 25 separate hospitals to a corps Parade, arespectave of the 49 regimental estabhishments already accorded, or in all 74 separate organizations for about 30,000 men that is, a separate organization for every 470 effective men of the entire force, or more than at the rate of one distinct

By the scale establishment as had down in the regulations, each of the above 25 hospitals is nearly equal to that of four reguments, or in the mass to 100 regimental hospital establishments, whereas by the estimate given there are only noturally 48 separate bodies of troops in such a force. Of these, several under previous regulations would require no separate hospital establishment, although to the six of uniformity such establishments are shown in the estamets, as for example, if the separate butterns of arbitrary and companies of segments. Thus, exceeding to former usages, namely, the continued regimental and of avisuals, if the semble-more a hospital establishments that would be necessary would be 29, cur, 21 regimental, 6 brights, 1 strillary, and 1 had-quurten as a reserve In reality the separate hospital for utillery would not be necessary, as such and wounded belonging to

that branch of the service, as also those of the carairy, a sold be attended to in the hospitals of other the name of the service, we are known the capture, some commence we may be frequently expensed by any detect. In reference to the partners, it is not observe that like the Regulations of Iso², on those of Isb₂, three is nown repeate we analogusly with longest to act to device, which, thinkey do it, proposed not necessarily inferior considerably with the working of the nation on size of considerably with the working of the nation on size of service in these remarks, however, the litter scale is considered in iclation to its more obvious bearing

These regulations uppear to have been framed with special reference to commer management of troops, or operations in the neighbourhood of our home examps and garracors. As we need then details, the questions present themselves, absace the necessity of such clahocotte. rringen ats for the purpose, to what condition of foreign service are they suited, and whence the good of breaking ap the old system of regimental grangement for the purpose of introducing them. The actual equipment rendered necessary under the new organization is considerably larger than what was formerly found sufficient under the combined regimental and general system as laid down in the Regulations of 18,00 The description of trusport regions is unsuited for service in either Africa or isin. The various And consumptions on compare to against the measurement of section in cases and a set of the constitution o the necessary to have in west the duties to be performed by the Medical Department in times of process as well as those in times of war. In the former the duties are dutily such as are connected with lipsease of the troops, an arrively use for the medical regional in times of war in the former the duties are dutily such as are connected with lipsease of the troops, an arrively use for the medical region in times after the process and the troops are the troops and the subset force returns wounded from a secretic-contected brittle, then the manding suddenly the greatest exertions on the part of the medical officers and the greatest administrative talent on the part of the principal officer. In the ease of an administrative becomes necessary to male ample provision for such of the sick and wounded as have to he left beauth percental successity to make stemps provious not stand at the sets, and winneds as has to be left belond as well as for the probabile commences of the force proceeding curvator. These is esempted that the medical organization be such as to admit of all these several purposes being reads) with specially fulfilled. During proces, puringenests a public be a conducted as that the neighbor discussion of the second shift have who among then are to remain with regiments, who with hold hospitals, and with with with wealthed lift behalf of earth to the run In (continued) armies the altribution cards throughout each comment. It would be readily introduced units the British server, or indeed at was in founce times. The regimental meshed offices then here the thou piece was the regiment and a specially industed on other duty. The stoff men new equility nell wave that their duties new general or in connection with numbalances. This system is not of, to a connection with numbalances. on force in India There, whether a detrokment, regiment, or high boly of troops a midding ordered on active service, it is always end by means of existing arrangements to provide at with all requirements for probable sick and wounded

ments for probable set, and consided to our live number, it is necessary that, in the first place the medical satisfactories the set of the medical satisfactories the set of the medical satisfactories the set of the sector and numerical medical satisfactories. The medical satisfactories the sector and numerical medical collect, together with it best in order of and order the exhibition of primary to each the numerical content of the proposed mitocolours of the intelled hand of the group of evidence to the stift is region of older days, and the stiff is region, just class of none recent times. In time of war more so in this number of an extension of the stiff is represented to the stift is represented to the stift is represented to the stift is represented to the stiff is represented to the results of the stiff is represented to the stiff is the stiff of the stiff is represented to the stiff is the stiff of the stif not only should made of differs, upon half pay he willhood, as contempleted to the econol W i Office Committee, but by pressucerted arrangements between Government and Made of Schools a reserva should be martined, so this in die great presone the way maked cold could be field up. No doubt under such in veragement may in heal men, who, under other crouser every part for Cores Souther a cold temporary) part the Army Meheld Department, but in much in a time would instructly here there was not extend instructly here there are the cold instructly here there are the condition would instructly here there are the condition and instructly here there are the condition which the color in reference to proper in movement. Us, amount of actual us they would be every tank establishments mere of marm, is of the smallest Au does to expensive it in to obtained of mus in distinct countries as Chun, New Lethis, India, and Mick-public a being that nous, every the regular medial officers of the true, a wolf cure to be then their

services under such ex eumstances

Here somes hat definall to form a cheer along who the precess conditions to a limit the so called appear of the set of the precess of the set o to occur, and for these the name around to be more not not not set of under the effect of the extrement 1 to prid to their man, under the name of the name of the prid to their man and the name of th recently introduced of the same angular transport contracts for the consequence of the set and 1, affally friend may be of the care neglective as sign but it is unfairly 1, and it is called the careful scaled. With a contract for fine and the consequence of the careful scaled th A mone that lacked may we do not they unfortant had a make a rather of the country the question with a me what we the extensions and rather a section that country the question with a me what we the extensions and rather a section of the units, such as late been allowed to, nearly epone to be, and it will, so that placed of

- intervals along a line of advance? Sy, for example, that each of the twenty five separate hospitais intervise along a most of variance: S 3, no evenings, that can be the death, at a separate longitude, whenever content of the death of the variance of the content of the death of the variance of the varianc avitative five in a video is the conference of the proportion of the conference of the interest of one leads to the conference of the conf cluding rulinar conveyance and post hospitals, become organized allogether irrespective of, and in addition to, etablishments with the active force. When, or when, is such a condition of affairs hiely to occur with regard to our forces? Yet for such an amprobable, if indeed not impossible, contingency all the conditions regimental and other, which have hitherto worked well, whenever they had a fair chance given to them, have been thrown out of gent, in fact abolished

But it is observed our unshahmer establishments, we now constituted, are upon the model which has herefolion worked successfully in America, in Gennous and in Prance. Have they ever, in reality, worked successfully in able of the two thin? "With regard to the first of these two it is on record that in the all their perfectes of system, wounded on occasions by upon the field untended for two and more days after a bettle, that bedding and hospital clothing were deficient or altogether wanting that pitients affected with small pox were intermixed with wounded and those anogenic various the present various with summa position in the information with a continuous various with his discognition operations, in fact, that the scenare selected by Sir John Pingle in the middle of the past continu, and Sir James McGragor at the beginning of the present, with regard to make the beginning of the present, with regard to the most particular to the proposition of the proposition of the present of the hundred years at had been the sum and abject of all concerned in the administration of the medical department of the British uppy to meid were here reproduced under the operation of a system to

which we have reverted

Is the question called what do we propose instead of a system thus shown to be ill suited for supposes of gurnson life in Britina to be approximately for field and sufamin managerous in the United Kingdom, unadapted for nar in Asia and Africa, and ill suited for that in America or Europe? The question is by no means difficult to master. Here is one solution. Let us for the sike of illustration, assume that a corps d'armee is employed on active service under conditions suitable for British in gulations being coirred out. In such a case, regimental and, brigade establishments would consust of genomed and material pertaining to themselves, those for derivious general lead quinters, and reserve being departmental, and unconnected with either of the former, although directly under the orders of the general officer commanding the force and of the principal medical officer. Thus the several establishments would include the following 1/2 -

(1) Those sharps present with regiments, recompanying them on the field and affording first and
(2) Let obtainments drawn from regiments supplemented, a hear necessary from elsewhere, and
emplate of affording and by means of light unbulances, or field hospitals, between the

first and thad lines of assistance (3) Finld hospitals, or brigade ambulances.

(4) Those of dramons
(7) Those of army lond-paramets
(8) Reserves at the base

(7) The establishments connected with the mother country and communication therewith

(1) Regularital -- Intermuch as the regulerit is the military unit, so for the sake of conventence it is taken as the starting point in the present summary. For each latitation on its service-cooting there should be three medical officers, irrespective of any left behind in charge of sick and non effectives. In this way one would be arruful le to accompany the troops into action, and two for service with the brigade ambulance, formed in a measure, from regularital establish one for service virtue (to treggeme studentures, primately as measures, non-regulation bouldish ments. Smaller holes of troops, as batteries of writilety, companies of engineers, &c, should be provided with methed officers in proportion, their nonabled being lool of the by than several highest estiblishments. In three of period the section of regularities should be authorised by the model officers of their own regiments (and as the most recent recommendations with regard to the Dench samy would have them be

have seen ecy. In vs., the greet majority of them and of the wounded must be sent to ambulances and other establishments already cunservised. The method officer proceeding with line regiment on the field ought to be themself and by a represented orderly, everyng a feld companies has own this bong crund on the regimental wagons. Surgoons of regiments engaged should according to protection contentations, which is the several though sudapposaledly have before, one untext of a determined point to which the wounded should be trought for all. In Dampean way it will be found that in most instances they work follow these recognitions. must follon then regiments

Brancardiere - In each company, or body of corresponding strength, there should be two inclinated — In cital company, or body of corresponding strangin, true strain to strong collect trusted to resert in groung, first, and on the field and as the renerval of wonded except when required for this purpose, they would be maning the effectives and in retiro. In India dools we deter be earn, until the superstandance of two or more soldiers, are usually thus employed. Minesants may the be see employed. Minesants may the be see employed. (2) and (3) Bragade cristical and—On active coveres the establishments of the sext of largeties should, when mutted from these of drivators. With a wave to reads it easy to carry out this trust.

tion, medical officers serving with a giments in conforments, other than he who is to accompany each on service should join the and alances, together with such men of the aim; hospital corps as incusarily employed in the service of brigade hospitals in quarters, the whole being under the service medical officer of the bugade. The means of transport should be obtained divisionally. Besides the regimental establishments of medical officers and other person of, brigade establishments should be com-pleted in themselves. Each sets brigade bought should foun, that portion it the divisional states that the state of the person of the state of the stat Appendix IV] (818)

hosmitals, the latter to become sedentary in the event of accumulation of wounded or other encumstance rendering this arrangement necessary Lieb brigade establishment should consist of five metherl officers, one commounder three stewards or resistant stewards two ser grants of the army horn tal corps, to dive onto his to attend on nounded, brenty men of the army hospital coips for ion professional worl, one cook, one washerman one sergeant and ten soldiers of the army service true. together with equipment for two hundred patients prespective of, and additional to, regimental estab

(4) Distributed -The unbulance establishments for two brighdes and that of the reserve, as above enumerated, should when muted, form the establishment of a drusson, at being understood that with the reserve there should be a puncy of medical officer of the division, together with a micheal officer as assistant, and a clock. There ought to be with such division a sufficient reserve of stores, medical officers and servants to meet emergenees the reserve of method officers consisting of those who are untirehed, as well as, when necessary those belonging to, but for the time being detached from, their regiments and who on the completion of their particular service would rejoin the electments Lack of the regrecatal medical of eers should have two field orderlies and field companies also belong ing to their regiments. The entire establishments proposed to be assembled divisionally, if the arrangements are adapted for Daropean war, would melude the following, or.

One principal medical affeer

Five surgeons major, of whom four from regiments engaged.

Sixteen surgeons of whom twelve from regiments

Two word masters or hospital sergenuts Dight orderlies for attendince on such

Twelve orderhes for other duties as cooks, stores, &c

Twonty-eight regimental field orderlies accompanying regimental medical officers Seventy-seven by mearthus uncluding three sergernis and eight corporals

In India the proportion of attendants, brancardiers, &c would be made up from Native estab

lishments According to German regulations there are twelve divisional field hospitals per copie d'arrêt el 30 000 men, and the anangement is considered good as having the special advantage of disseminating such and wounded. Leak driss in I loop tal as above consists of three portions, namely, one to recom rum a division of infantia, and one for the receive, that is each is capable of sub in issue into three pany a division of infantity and one for the reserve, that is each is espable of sub livision into tiree brigade field hospitals. Luch multiplied divisional hospital includes one medical officer two surgeonsmajor, ten surgeons, one spother iry, one heutenant, six purveyors and then assist not one almoner (chiphin) six non-commissioned of Luis of orderlies thirty six orderlies for sick sixty orderlies for other deriven as held commissions of the or observed and year of the contract and year of the color of for 300 more, or utilizing the ambiliance battahon which should tale 500 additional to those thus the doubles, or limiting our vinorimes pleasants based whose two one another to double provided for I thus without the receive heapths, which should be a merical take the form the heapths at the houst should be expide a me energency of receiving 2,000 wounded jet only a former on motion. In connection with these of invitors I hoppids in metal, offices of the prince is, material, and suggests should be arranged with reference to the call histometic being divided into these octobers, as observablenced. As soon as possible office a belief, set of the reconsolerable distance in the rear, thus levening those sections of the front souly to provide for further ensualties

For each of the times sections five ungers or conveyances are required, m, one for institution, applying and medicines, one for ecoloring and food, three for hospital attered. The two first ungers

to be for two horses, the three last for four each

The suggeous, officers and purveyors of the army hogul I corps are conveyed in an communs of the trum, and it is used during builtle for the trumsport of wounded

(c) He are governt leaf parters—According to arrangements suited to European vafure the asserte with lead parters of a corps darmer should supplement the requirements of the dramonal and plances, the widend convered upon six ungons that is one additional to what is required for the thir e sections of a three of ambiliance, or, say an establishment equal to an entire threston it ambit lance This establishment should be so recogned as that one part or the whole should be convertible, if necessary, into a sidential hospital, the other remaining mobile. The personnel should be an incident s tollows the , twelve surgeons m for tache surgeons, three spothee mes, three assist int spotheem es, nine part eyers and stem tils, if ree mil truy officers to command, three chaoner, nine sign ats of or lerin, that's orderhee for such arthough the general work, the ety thee non commissioned officers of the trans, three 1 agg gc mustice three cooks, three we bermen, mue can enters and joiners, eighteen seri unis for officers

searment on tomaca.

(f) Ist thin c tr rear of a face.—Under the enounterness in v1 ch the British man is the let be one good, excitoblements of the utilize model c maps. These of try and of luning, it of end at it the as it be communications to be legit up with the nodes country. Then organization is for the let be under the country of the communication of the set of the trunsport I home and noted and screened manni med with the view, although to a great extend-tion would be completed by an unsuments direct from home. In these establishments also, in ingement should exist for the disposit of man who, slightly wounded, or recovering from illness, become fit to r join the active for a

Litu now turn to Ludes, and endersion to true fluer se and progress of arrangements for ad-all wounded soldies on active service in that can't in the circle of all interests which m I wounded soldier our active struce in that can tri d but inform then with regard to them is smalled in 1791. Inteld his tild of some kind ou fel for me time lafer then a cert of in the encountrainee that the meannemence and defects of the if on fed w malter of no state. In that sear the till u int of any profes if he regula

ten providing for more than the Lable tense of sickness and in part called torth a general order?)

Earl Cornwellor dated 19th of August, in augurating certain change and improvements in the system, such as it was It is apparent from that order that each regiment whether of Natives or Whites, had its own surgeon An allowance in money was granted to such singeon, and out of it he was expected to discharge all pryments on account of the soldners under lass superintendence, for melicines, hospital duet, attendants, and conveyance. In the field, tends for the seek of regiments, according to regulation, were to be pitched apart from the ordinary regumental ones and if the former over usually country, they were to be supplemented by the latter and when the seel or wounded soldiers were removed from such feld-lappilate to those that were stationary all expenses were charged to their regimental surgeons | Each hospital was to be visited druly by a regumental other, who was to inspect the condition of the establishment, to enforce the performance of all mocessary dates on the part of the

common to the extenderess to sense the performance of an incervity tasks to the first of the ingemental supposa, and to see that all the primits when properly afferded and taken care. With regard to the mechani anangements for the tony completed in the Marintia and Pindare company, 1817 to 1819 we leven that should be Marins Pumpers negment proceeded from Hyder-abrid for the Manorara rate, the dools because provided consisted theirly of coolers, so that they were and in the analytical rive; are consequently precal or consistent carely or covers, so that they were translated or type the side, who were recordingly precal or country earls, four and fire in such, everal tumbled off those conveyances and were left on the roof exposed to the sea until burg missed, dooltes were such to fit for them. At the brilled of Michigane these was secretly a list of plaster and no were such to fit for them. surgical instruments with the exception of those that belonged to individual medical officers and from the wint of proper appliances two out of every three wounded died. Brief and imperfect as these particulars are they are sufficient to indicate the deplorable state of mode il managements for the held and by comparing them with the condition already related in reference to our forces operating under War Office Regulations, the superiority of the latter at the time is manifest

The first Burnese are competed the period between 1824 and 1826. At first, and for some time after its occurrence, the tools are next thing to absolutely destitute of all requirements for present. that to obstitutely, and for their proper eres when sed or reconsided. The example the 3-8th Poot Indied with an allow use of bevers for four declies, but no declies were provided although the surgeon mode entry enlaware to chiral them. No extrage for heapthy lampoess we reproved for the Rugoria to Pymore, none for mechanics instruments debtling or heapthy comforts. The con-buffvlees using our to such heaptial for the double purpose of provining milk, for the sock and cutying locks, but, as indeed might have been expected, they seen duel, and after this occurred beliefs a wer provided for each of health the surgeons of regiments and to pay out of their own peckeds. At a subsquant prend two lad cause or, country cuts were provided for the country map of set of praticular ware provided for the country map of set of praticular requireds, but all auch meme fell fre short of requirements. As an example of the description of buildings used as hospitals at is stated that at Arrican the sake of the 47th Regunent were placed in a Native hat montherently rused, that undermenth it were more and filth of every description and that as a result in individuals lowered by discusse death was induced by the direct influence of an impine and notions atmosphere As a more or less direct result of such a condition of things at is on record that, whereas during the whole was thee and all alf per cent were killed an action, the entire loss amounted to

coming the whole with time that it is not reason where an exceed is comediated as second two under his preceded to Afgluments. Each regument had not own establishment, and, an addition a general or draward hopping tensified for each drawnend force. The white coldines of the army that matched from Questia to Kandahar were ill provided with food and transport the soldiers, which and eachly at those some headen to entry their languages, and and each to love a singagered as the range to the first that the same that utilized for the purpose was ill suited for it, and movemer it was situated in a place exercised from a deposit of filth. During their subsequent march from Cabul to Jellalabad such men as fell sick as also the wounded, suffered greatly as a result of wast of carrage constant exposure and maniferent food Indeed, with regard to the great defects of arrangements for such and wounded in Indea, the pumerful

medical officer at this time wrote -

It is a ris sing that, in a country where booking on have been so long carried on this most essential branch of the military department is so very deficient and imperior

In 1843 the war against Guahor tool place On that occasion ample strangements existed regimentally for sick and wounded there was also a general hospital establishment, which woiled effienently, and, in addition to both of these, arrangements were made for the conveyance of wounded by country-curts to All limbad, whence they were despatched by the Ganges to Calcutta, and so to Engl and

As we see arrangements in India for sick and nounded on service were up to this time, extremely defective, as a result many have were lost and a guard deal of a conduble descomfort experienced. But a change had now tal en place, attention was folly swall ened to the importance of having all arrangements of solders die Hed is complete as possible, and henceforth a shouth advance in legard to thou took place. On the occasion of the Salh was in 1845, much latitude was left to the Superintending Surgeon, Dr Mieleod of the Indian Medical Service, who was changed with the organization of the Surgeon, D. Al televist of the Internal states of each was not set original with two deginarizant of the medical managements connected flavourements connected flavourement in a solution to regarded the ability of the project and reserve of stores coasted at Perconques III as the call not never that no regarder plus of procedure in the Been durant onto an artivate, for money the management of the Been durant on the state of procedure are plus of combined actions. On the Elit of December of that yet rule secretly custed for hittle of Processinal tool place. The womands were in many unstances left upon the Ald from list detect life that the Elit, the close the even being monthless are of compared measurements to consider could write the sufficiently stated to, their monthess long we giver and the menuture are consistent and the Canada was been assessed as the manufacture of the surgest state to hunted. At the end of that turn they are removed by means of country crist to the neighbouring states of Percapear and fines received into regular hospitals. Instead or security as declare ramely the proportion which according to Regulations should have been provided to the 20th Regundant, and say he may be each, only the endy-four war, actually surf, and to each only five

hearers, the c being all that were procurable to meet the sudden emergency of that war. On line being formed by the force the regiment il doobes and establishments took their position in the rear When wounded began to full, these establishments builted and all gave assistance, arrespective of again ments, the landsonen being utilized to laing in the more severely injuried. Soon, however, entired occurred,—officers and soldiers curried any doches, apphanoes, and water. Dr. Tiylor, on, tells us to detect our entered to the content of the day to the content of Sobron, 10th of Leburny 1816, a buge number of wounded were taken to the general begind at Terozepore, where numbers from Lerozechah stall remained. Barriol's as well as hospitals, were need for their reception, but all being overcrouded, hospital gangrene, attributed to the circumstance, broke out among them

In 1815 the econd Shith we took place Dr Renne ca, profiting by the experience of the past, drew up scales of ean purent for regemental and field hespitals, which may as well be taken as so many models. Lach such seals represented the personnel and scale ref for one hundred seel, or its multiple up to three. A large general depôt and reserve store was established at 1 crozepore, including modified up to three. A large general depits and reserve store was extraorated a processor, mensage should colorise, breate, and other merose of transport and remofercements of supplies, three being sent to the front as required. For their troops operating or highly to operate in the hilly country by out the Belant, a large world for the discharge of said, or commoded. In addition to the contract of the contrac of the next buttle fought, namely that of Socialpose In the meantane an outbook of small pox threatenny, rungements for us selections benefits were made an econociona with the general establishment. The sets and vousied were after a little sent to the reny and the hospital item most awards. At the bottles of Calaban willab, reguerentable beares carried the rounded to the general beares are not the remarked of the general loss. pital, from which they were in diageouse expected, this learning the netwo army force to not. At Guzerat, leg ment il and field hospitals alike received wounded, and give help to these of the enemy left upon the field and a similar arrangement was observed in respect to the force sent in paramit of

the Sil he towards Peshaner

When in 1867 the mitting of the Netric army broke out, arrangements for sic and unmided had to be extemporated out of such establishments as existed in connection with regimental loogistals, and there is hilled doubt but that had it not been for those establishments, no adequate provision and most in the energy by the creases, have been on the first the first been made.

The county midd the energy county of the creases, have been on the Affer the first outside himself with the most most field forces were organized, and by them military operations proceeded numbiancously in a variety of directions. Let the force that thanced through Oulds, from the extra variety taken as an example. we unrecount net use core tents arament through Usua, prom the entra who, or many a new and the support with it the medical exhibits however, were enturely regented at, and at the sor and choose fought through the act var. If such exhibits maries maries gave the needful help to the your left. One commerces, however, describe to be specially notated. After the releds into them deletted at Church and Umergone, and the force with entered Outh, the enemy and general population closed in upon its rest, so we to maint, the force. No dat a garm have commencation with the outer word units some for days ifforwards it immeged at lead you live commencation with the outer word units some for days ifforwards it immeged at lead you live commencation. After outer word units on any exhibit the lead to be prouded out to make the sub-They had to be curred on, then members each day accumulating, but, with the regumental establish ments complete, all were well looked after and attended to by medical and multiny officers of the regu ments to which they sererally belonged. At Luci now regimental hospitals were supplemented by ment to which they see if y bedaged. At Lack now regiment weights not explainment by an inheritor it became never you that the would from their moor regimental to the general kept is crusting, their hematicians are goed, in their own words 'tiey wee sent way from running their commades and thread to be associated with and take one of y stranger." Lackson we explicate on the 17th of Much 1835, and shotly alternate a force was smallenth organized to present to the shotly alternate to the same than the shotly alternate to the shotly alternate the Acces competed with a new control negmental stores and competed and negment some controlled in the control of t pital establishment accompanied as a matter of course, and without any special organization being required beyond what ilready existed

With regard to the ordinary routine of medical duty in India during peace, so strong are the convictions cuteri micd regimling, and postified by experience of the system of regimental nospitals and administration, that both are strongly advected and curried out, as far as it is practicable to do so, by numerations, that both are stoogly advected and curred only as far as it is practically to do a, by means of models oldness maps in cheed an instead of belonging by reported an important tail thin attends a that sole, whether observes below solders, on their families, record prompt statistics and made, and made it for an extract the sole, which is the contract to the sole, and made it for the sole of the tree; as the set is band in dready to the the field or accompany the cory by ear most of the tree; as the set is band in dready to the the field or accompany the cory by ear and are fulfilling their party as to whole ead diese steady considered elements in taken place. At the very time the sole is not been against a first produced to the set of the tree produced to the set of the set of the diese of 1 de regiment 1 log fries in Berryl, 6 in Maders and Berrin, and of in Bondry, or a total of in practice of 271. In the frequency that the contrary. Let those are possible for such of such as the contrary in the contrary in the contrary and the regiment of the contrary and the regiment of the contrary and the regiment of the contrary. The three repossible for such of the regiment of the contrary and the regiment of the contrary and the regiment of the contrary and the regiment of the contrary.

ANNEXURE D

Extract on regimental harpitals in the French army from my " Lexions in Hypicic and Surgery from the Iraneo Priestu Har page 27

Regimental koopitals and segmental surgeons in the Prench or my-Regimental hospitals as those establishments are understood in I agland, cannot now he said to exist in Prance always the case however, for then history, like that of many other institutions should that they have had their periods of popularity and of impopularity, and that their separate existence dates from a period antecedent to that of the now more favored general hospitals. It will be remembered that Still established to first on the new mean across grown assignant La ton to remembered unit Still established the first midwirth hospital at the super of America, 1947, under Horry I. Pegond the first statemany hospital, under Lours VIII in 1640 the under the sign of Lours AIV the re-gimental establishments user octacle in number on delicency, and then 1548 the general multivary hospitals were copyrished. Them that date till 1792 segment it hospitals formished the only viviabile means for the treatment of siek and wounded soldness. But the change that had been made showing itself to have been made of too successing a nature the general hospital system was re-established and from that time the regeneratal unknowny has continued to be looked upon is an altogether secondary institution, Marshal Soult being the only multiary officer apparently uno really was alive to the important place they were curable at occupying if conducted as they ought to be. Medical officers, have always deprecated the secondary place given to the infirmmes but hitherto without really. They have represented to the authorities that in quarters they might be made to serve several good juniposes, that under more developed conditions such could be truited in them with less expense to the State than in the large and more complicated establishments that many men inho me sent from general hospitals to duty before then strength has been established would, in a regimental hospital be primitted to to duty before that strength and some catalastic the souls, in a regiment's neptral to primited to complete convictorise this seven the instance the selection of solicities and mortality in the error. The united industry consistent diem the to early between solicities and first suggests would be exhaused and their suggests when they solicited and their suggests which they now body, of gaining provided separation of the third solicities and distance and as in those of eigenvection. Further, as I Doublet's postion of, "the in the inclusional distance are seed as in those of eigenvection that the second separation of the strength of observe, however, that these establishments are altogether supa ate from and independent of, the audulatest organized for and specially intended to norsh with divisions and corps of an army on active military service

Some years ago the establishment necessary for regimental infirmance was reconsidered. A few of the recommendations then made have since been carried out, but others still remain to be so, and

meantime the conditions are, it is to be felled, anything but "disfactory

Dr. G. Smith M.D., Stageon General Indian Medical Depart ment, Madrus

I am opposed to the substitution a ggested on the ground that it as impositionable
Telle Medies and the same remains will in principle apply to
other large stations such as Secunderabad and B againer. The hospital

to the Bodygard is on the Pentanad, one Native infantis regiment is stationed at Vepery, a second at Penzinbori, and a third i long Let us suppose the engineering assistant despites when a mile in low of them a distance off, at Royapooram central station hospital consistated and let us place that station beginned at the most convenient spot, it would still follow that every sick or majored sepoy would have to walk or be on nod-involving extra expense in doohes or silk entis-hom one to two miles before he could flod the medical and and shelter required. How would this arrangement arisase in cases of accident sunstroke or severe fever? how in the hot or runy season? how when epidemic cholera has attacked a

stream or reverse return and a many section of the regiments of the substitution purposed as imaginable to single astronomy which the regimental how pital a stem must be returned, and as impressed to the case of the larger statutes in this presidency. Further, the requirent's elected to have each one commensuous directly officer at Should economy require that that number be lessened and that one or at most two method officers be expected. to attend, not only upon the sick of the regiments collected in a station hospital, but also upon the officers and their fam bes, and upon the medical requirements of the lines then it becomes obvious that nothing but disappointment and halfare would result. The delicient arian ements would have to be supplemented by some form of medical and means at hand and by some form of temporary shelter for the sick near the lines and what would thus be but the reconstitution of an objectionable

and mefficient torm of regimental hospital?

The inconvenience which would result from the adoption of the station hospital system to the suppressed to the content of the pendiar restation of the Author may of this presidency. A Madras Nature array mental being does not occupy branch but the training of the pendiar continuous the content of the pendiar continuous the content of the manufact of from 1400 to the lines of bute in which with their furnishes and followers the separation of the method officer as regard deduction. vaccination and sanitation I ach member of it is entitled to medical aid, and all trust submit to the military and medical regulations necessary for the well being of the lines. When sick, the sepoy is ministry not measure regions as account for one part one of the time and the establishment of the regions of the properties of the region of the metric of the such as the contract of the prepared in his con force, or brought to him by members of his on a family, who with his francis three unless the neture of his sul as 8 part of the necess to him. The Undres sepon has no objection Date unless on minute of in set set persons the character of the many and an absolute of the temperature of the first persons of the fi oversome to the no or an energy pure man and the service of the control of the mount energe and desponding and the service of the mount energe and desponding and the service of the service of the control of the contr The existing system works well and common at you the Vindras range It's convenent effects that for the set, bet es ted from its mell it's underpose billy that the stood beyond system for energie ees in litrary and mell risk and on a necession set that his per lair and propied ees of the Vindras sepoy. Vincrover a samed as the right mental does justem has not been displaced by the general to be I justem at present a negle on I troops to agree the first per contracts a simple organ to our set all a for your and for pose. Let a sudd a dem and to troops ar se the reg ment takes the field with its lop tal complete and thats ned conficer and med co subordunates fam lar to all and acquainted $\bar{\nu}$ th the medical history of $\bar{\nu}$ is stead of being manual which it would other use be by medical office $\bar{\nu}$ and $\bar{\nu}$ of action 1 or outto stringers to the regiment I find to see any advantaged on which four to an studen of six from legs take in this r communications of sek. n le of the permit system of reg ment I hospit is in time of jaces and have yet to be convinced of the range of y n time of rank I land an emp gas will take precision senting so far as I have be cleen carried on with reg results gene hospit s and I must not a me that a better system has yet been downed for the Inlan my I do not deny to po blty of a better system but unt fle deta is of t at letter system la e leen thought out a lideterm ned I see no advantage but much the re-erse in substituting station or garrison for leg mental hospitals

D pn Su geon Genera J I S Fogo, Offi ng S goon C neral Br ta h Fore a Bomb y

Very mue u favor of stat on hosp tals astead of the plan of mg men all of talls ut will reg menta med an officers of all being gene all toty the hospitals nie the order of the amor medical office and sild teast their o nack.

D W C Han MD Sa geo Gen m I dan Medical D partment, Bombay

I am q to a five of substituting a system of station or g a small ospitals for the present system of regiment his past as and be a court t ou d be nite ded with merensed efficiency and con de able reducton of expend t e not us bord note establish ents o by b tu many othe ys lo mest nee m h fe er med cal officers o ld be requie and my pictive receive runes of would be greatly due! Set a system wou dipro e of benefit to be med call of or limst t to due give him no except he mand des edend no e tect his ord. Set runel seed and more than the distribution of the set of stud es than the pies at system tends to and ce

D C m Sm Dept S Were er til ng oged I al old be når or of substitung nåtat om lopin for the jeree ting mental inspil u lind. B tile samel body ngod og nærett lopi til elde to op og vinten stage mental jeree to mental inspil u lind. B tile samel til nærett jeree to mental inspil u lind. B tile samel til nærett jeree to mental inspil u lind. B tile samel til seen in hig expense et til lopin til ver to be i littlin same of e large statoms doe s s i carts &e old tile në er q el to be legte in te inse soo er stelle s i kohen til Car påbeng so i prit e old be mpossible that men forne che en ske consider ma joe cent al best ti

DJGbb DptySngm Gam Bbook Mrs

A system of saton org ason log tals s lod cet coall ry of the f to sen lle gt to be tle time economes stem lamen froet st ton lopt is lag extended to Irdan of formed mal resttos algarous When t becomes meees my to deined a corps there a no definity in att el ng to t for the tine a s fi c ent med cal es bi si nent

DporS nG m180 T 1 P ex

I am of of on that's a on or garr son losp tals may the d and are les le nted for reg nental bosp tale for both hurogen and Nat e treops

Srpees FGE CLASD JSurgeo Genra ud Drasa

Most ded dly Ihe, cany cao fo tiso, on a diave sion historing post ould be effected by the right transfer submitted to the Ymny O graz on Connson

Surgeon V JPc 1 Fn er of Meden Acou

Tiee's much to les d'for loth sys ms on the gro nds of economy a fire y little interese tal to land une alt my an equion for the egint i lianse of ga a los tas ene adopted threin the of easy are we of note.

the considerable form the first the constant of the constant o

found sufficient,-and I am not aware to the contrary,-it uppears to me to be going nunecessarily out of the way to introduce a system which may be suited to the necessities of Continental armies, but which under an altogether different set of circumstances adds to expense without so far as I am able to understand, bunging any corresponding advantage. One of the culs of this system would be to divest medical officers primarily of their responsibilities in connection with the care and supervision to divers mention content promising on their responsable new commencions with one care and supervision of the medical and surgical equipment. As these are always obtained on his own aquinistion for his special use, it is only proper that there should be no shifting the hander of responsibility on to the shouldess of subordinates. I consider if more affection was given to that minutus which constitutes so large a part of hospital practice, and less to a desire to assume command and exercise authority over men and matters, which would be best left to others, greater efficiency and economy would be the result. The simpler your hospital arrangements are the better. Again, the introduction of such an elaborate scale of hospital equipment as that laid down in G. G. O. No. 681 of 1877 to be kept complete and serverable in pureyeas as tens near tens in the C U no 881 of 1871 to be kept that exceeds the cent of the third printing—is easily that exceeds the cent of that unfarrand in Mithary Department kitle No 880 of 27th June 1898 by 775 per cent, rites being equil—is, I consider, beyond the fair limits of the soldiers requirements, or what the public ought to be sadded with

Surgeon Major I H. Porter late in medical charge of Field Hespital, 1st Division, Poshawar Valley Field Forca

I am in favor of substituting a system of garrison hospitals for the present system of regimental hospitals. I believe the station hospital system will be attended by greater economy and with better results to the sick, where there will be opportunities for medical officers to consult with one mother on more important cases, and where medical officers would be more likely to have at their disposal every modern surgical apphance and remedy

Surgeon Major C Mart n Army Medical Departm at, 13th Hussara

I am entirely in favor of station or general hospitals, both in time of power or was

The regimental system is combines, expensive, and not officient

6. If this were done, and the various hospitals in a garrison were placed under the senior medical officer, would there not be both great increase of efficiency and also great economy in subordinate establishments?

Surgeon General J H Ker Innes ratish Med cal Department, and moupal Medical Officer, Bratish gross in India.

The formation of station or garrison hospitals in contonments is ndivisible, not only financially considered, but also for the purpose of effective administration. It is especially in times of peace that medical officers should receive their truining in the system which is to be carried out during wer and unless hospitals are consolidated in cantonments, no system of training is likely to avail

Unless at can be shown that there are special orcumstances attend ing Indian service which should make it an exception, there appears no reason why the same system which is followed in all other pertaons of Her Majesty's dominions should not be made applicable to India also Moreover, no attempt has hither to been made to assimilate (so far as differences of climate and service admit) the hospital and field equipments of this country and home, although State reasons may hereafter render a repetation of the experiment of the employment of Indian troops in Lurope of Ana necessary The consequence is that an officer arriving in India finds his duties new to him, and after a service of five years in regimental hospitals returns home to find he has forgotten the details of the station hospital system. This cannot be continued without detriment to the medical service

as a whole The system of treating suck regimentally has obtained purily because it has heretofore been considered necessary to regard all corps as eapilile of acting as independent units complete in themselves, ready at any moment to take the field or to undertake marches of long duration, and partly because a

single corps may be quartered in a detached post

I shall enderyour to show presently that under the altered conditions of modern warfare the above-named icusous have lost much of their force. The isolation of a single corps in a station is wholly exceptions), and our railway transport has for the most part obviated the necessity of long muches Nevertheless, I believe that, however much we may generalize our system of medical administration, it will be always requisite to maintain with regiments of infinitry and cavalry at least one medical officer This is necessitated by the presence of the waves and furnities of officers and soldiers, the inspection and care of prisoners, and the general suntary requirements of a corps, &c., &c.

According to the existing system in force in our large stations, there is a repetition of the equip-

ment, &c , for each corns hospital The waste of material and labor is obvious, and regarded from a ment, or, to care consequent to the common section of the common sense point of rever, it can secreely be necessity to an astand to two or more corps units, with hespeticis in juxtapostion,—it may be under the same not,—full and complete out of stores, surgual appliances, and medicanes, as well as separatic estibilitiement for each independently.

This the states of Umballa as an exemple of a statum in which ill a mas of the service are present,

although Umbulla, from the limited accommodation in each corps-hospital cinnot be cited as illustrative of a station in which the station (garrison) hospital system could be easily applied. The Luropean force is generally composed of-

One regiment infantry,

One , earth,

Two batteries of royal artillery treated in one hospital, but with separate equipments The equipment of a British hospital may be classed under two heads, +12 -

I -Michael and surgical stores under the custody of the medical department II -Bedding, clothing, cooking intensits, &c , under the costody of the commissanat With regret to the first each corps unit is supplied with a complete set of surged incirnately, and apphrates. Were the seak treated collectively, honever the scale of instinuints could be reduced to one hill often stange provision for any emergency (excepting u.m.) that might arre. As an illustration, that the following could ratiole.—

Articus.	Present scale of total force	Probable re quires entrof a central los pet il	Reduction
Flectro galvane apparatus Instrument, amputatus Do do, periable Do copping Do crimum directing Do modular,	4 0 2 8	1 2 2 2 2 2 2	1 4
Catheters silver sets of 12 Fracture appurtus	4	2 2	2 2

So that in 38 cases of instruments it is practicable to reduce the number to 14, being nearly one third of the present number

On the line of much the whole of the method and suggest stores of a corps in taken with it, there's not only affecting injunces!) the stores thurselves but moshim, he is, cost for currier This is being senselve, a cost methor it my suggestion in rung under its consideration the amondaling

and consolubition of module of up ment for rulh vy, nurshing, and field suivace.

With regard to No II (Gooding clothing Sc) there is under the regimental system, sequipment for II and men, being squid to alout 11³ per cent on the citin and strength of the girarson. Were the end treated collatively, 10 per cent would be imple, those suring the sequipments of 35 bets, the

estimated to it of which is Ro. 2.500.

On the line of much the whole of the bolding, clotling. &c, select for the rike rule rings, and a special much lings or rules a segmental for the control of sack of former, and I pet sent of latter) is

special matching or tribus a equipment flow to per could of said, at former, and I per cent of fattar) in taken. The matching out taken a equipment compares such articles only so are all affect notes any. The Subgritute M d oil Department requires to be remobiled, and the datash of my proposals under this bend will be found in the attached corresponding on.

Out the quantum of the area for the close correspondence to a of a back has received the approval of the Sensitive of Stite for India, there will be a reduction of about 1,000 services in Bengell—continued to the sensitive of the services of Stite for India, there will be a reduction of about 1,000 services in Bengell—continued to the services of t

As illustrative of the method of reduction in the foregoing the following table is appended.

State test down it the recent establishment of bounded extracted the following statems, and the reduction with the off test in the statem's profit system with a more efficient class of account as proposed on the fraction of the original plant is the coupt.

Statio\s		Oros	VIZT GAZ		A under of	Number of	Reduction	
		Boltenes of storal Amillery	Caralty	Lusistry	price to price to price to the	secretis no an affan as ou of fod 144		
Umbilli Merut Luchuow		2 1 2	1 1 1	1 1 2	1 f1 171 190	100 115 118	41 4h 56	
	F0741	8	3	4	511	368	118	

Note - Wite little of collected to read to the read of the sall and the tell collected and the little and the

Hospital I paparent

The great swang which may be effected as obvious. The mean dails with for the Jamps, a first in 18 mayer in 18 may

Mel cal I vill dried

If the Subminete Weiler Deportment to organized and discloped as proposed in letter has $\mathbb{R}^n \times \{x_1, x_2\}$ but by a rise tour of the individual tert limbert could be discloped and most anised review of his $2 \times \{x_1, x_2\}$ where $\{x_1, x_2\}$ is a small $\{x_1, x_2\}$ and $\{x_$

officers on the sick list at that station at one time, and the percentage of medical officers admitted to the officers' hospital was SS 3 of the whole a maker

As the result of statistics extending over 30 years, if has been found that the death ratio among army medical officers was 30 years, 1900 against to pen 1 000 amongst the combutant branches of the service, to say nothing of the number tempera by or permanently invalided from this country for discuses remotely fatal. At Lundi Ketal the sections among the medical subordinates also was at one

une use remove) were hard the verger influence in this disperiment was above 10 per cent time 50 per cent, and the verger influence are those disperiment was above 10 per cent time 50 per cent to the time 50 per cent time 50 pe

temporary from to incord valued by the "instal assemble preparation," as to the account of any ad, however temporary, to the British medical service.

Briefly then, consolication will effect a reduction of personnel, and by freshitating the correct performance of mine dates by subminimate bins with in oblina respects obsequent the cost of the staff. Economy in the reduction of amount of stores lutherto requisite and by enabling provision for sick to be made recording to large averages instead of being subject to the fluctuations of smaller ones

By making a reduced number of stationary hospitals do the daty of many ambulant ones, thus effecting saving in the cost of equipment and inevitable wear and tear

Surgeon General T F Beateon MB Indian Med cal Department

From the character of my reply to the preceding question, it follows that my answer here must also be negative. I am persuaded that there is in each agamental charge sample scope for the full play of a medical officer's righties, and that where a regumental medical officer appears to have resufficient employment, it is simply because he discharges his duties

perfunctorily, without becoming zeal or real completeness

He who makes the interests of his regiment, and of each mut composing it, escentially his own, will never want as much employment as the conditions of Indian climate in the plans enable him to

will not write an additional to accomplish under the part and additional addi impuring the work as to render it impossible to construct his vital statistics with recurrey, or safely

draw practical deductions from the figures Nor, in my opinion would there be any reduction in the subordinate establishments, because of the

absolute necessity of maintaining on an efficient scale the regimental hospital personnel Theory may advance the statement that the menial servants can always be supplied by the commissionit, and doubtless this is the case so far as more numbers are concerned but with reference to rad prototed florous contracts to deal agency prompte of tracting the most difficult interestance to happened recruitment. But over greating possible efficiency under such a system, man would not be found withing to underlike hospital clauses on active service, except on much eshabated veges until thus the economical results unbragated variab while the most service contract in each lie interpretable from so therefore with the first scare, they would disperse, and leave the sick and wounded to find assistance from other directions

Surgeon General C A Gordon Principal Med oil Officer, Br tish Princips, Madrias

Much of this question is answered in my reply No 5. I believe that were the hospitals in a garrison placed under the senior medical others in the sense of a garrison hospital, not only would there be no menease of efficiency but, on the contrary a very surrous decrease, and that instead of economy in subord nate establishments there would be

extravagance and waste as a result of the scale upon which to most emergencies they would have to be mustained. I observe that under existing conditions the general superintendence of all hospital affairs in a garrison are really under the senior resolved often only the details and administration of regimental bospitals are under regimental officers. In paragraph 9 of ucums and manuscration of regiments around the spin of the manuscraft Bit desirvatings of molecular Bit around a manuscraft Bit desirvatings of molecular discussed interdibility of such hospitals are detailed, and Jarit called a mercural Bit desirvatings of molecular Bit around a manuscraft Bit around a manuscraft Bit around the medical of administrations in was demanded by such a system as compared with the combined segmental and general and I trast I make the point elect belt as a matter of facel, not only as a lying number of a subdishingents of the farmer required with a patiential for the land of the state of the farmer required with a patient for the manuscraft and general and the state of the farmer required with a patiential for the manuscraft and the state of the farmer required with a patiential for the manuscraft and the state of the farmer required with a patiential for the manuscraft and the state of of the latter, but that, while with the unified system special arrangements have to be made whenever a body of troops is detached on any particular service, noder the last system each regiment or part of a regument if required to act on the matuat, starts at once with its medical establishment complete and workable on the spot

But masmuch as some of the conditions more suitable to a system of garnson hospitals than to In instance in some of the conditions some nations to a system or germon heightals than to ground allowed shortly been unclosed with a demands to I fails and which the desconation of medical officers from regiments and their roles after short passed of service, it seems to me to be required off me, by the copie of this uppers, but my personal review being adverse to both of those measures, I should so express myself. Outpersing past conditions with the present, I observe that, whereas in I should so express myself. Outpersing past conditions with the present, I observe that, whereas in Commer years a surgeout of 1 brins, in a region that has had of accounty shortly more from the control of the control existent Medical officers we under no such tuntion they come to In ha for a few years they are no longer under tuntion of their senses. they have individually to gain then own experience and when their views regarding the phenomen of endemie discuss have begun to clear up, they leave the country it may be, to return after an interval of years it may be not at all. I am unwilling to dwell upon what I consider to be the results of this system, not alone with regard to the treatment of sick men, but on the finances of India as influenced by the professional superintendence of the troops

Dr G Smith MD Sigeon General Indian Medical Service Modras

From what has been said, it will be gathered that in my opinion the proposed system will meither be efficient nor economical and ineffic ency is nasteful extravagance. The diministration in the number of medical

officers must be represented by a reserve to meet the origeness of peas and of ver. Method subsulmates could not study be dismusted in manular if the inner was to be attended to. There would be little obtained on the constitution of mechanics, and very little in the number and express of longith servants. A stight saring might be made by a possible reduction in the number of sweepers. The establishment of strium hospiths would mode much outling, especially it the outsit, and express which no waveranthole contribution of the models stiff of the exerting expenditure of regimental hospiths would suffect to fit.

Depair Surgron General J M. S Page Offic at ag Surgron General British Perter Bombay Each station hospital must have its own medical officer in charge Unless there is one hospital in a garreon sofficient for the station, it may be necessary to have the our more station hospitals, each to furnish one satisfications for our months of forms or bettiere and

act of retinus for any number of corps or brittenes in it.

I have known a basself for five bufferes of utility where they
more four envire bases the elabelbanents, because they belonged to
four shifteent languies, and they had to formed for different lenguies,
and they may be the process. These was great waste of subsulmates and of his or.

The old continuous hospitals for the royal artillery and royal engagery, under the Bernd of Ordermon, were stehen hospitals all over the world, except in Idan't and were editented and economical. One set of return for all vibratiled to them was sufficient and this via more exemble as choming lord providence on exception from disc so, instead of by britary or comes.

Dr Colun Smith, Deputy Ser gron General Indian Medical De partment Madras He would differentiate depend on what kind of a motival officer the sense was, whether there was an nonewo of efficiency on not. Then would sertually be econough with heapyth of a chocolarity, as force nould be required, if my there or four regument heapyth was done any with, and the sell treated in a german heapyth, but the condtained of the 18 their warp ment be folian, not consideration, as to the zeroes of the latter warp ment be folian, not consideration, as to the zeroes of the regimental substitution, to him, some first is an in range, lean the previous of efficiently the foliators, both women and eliblium in the agenerati lancy, and there sould be a get equal to the first more than provides of the from them. A substitution was found to the train of the thind them, so that there would be to concern in the Madria amy so far it we be subsolimited exhibitation at a concern.

Dr J G bbons Deputy Surgeon-General Braish Forces Mourat Circle les, the picture of the hospital or hospitals in a general under the sense methed officer would have to moreose differency, and be come much as regards the Africe etablishment, but I posted quant may help of for reduction of enther methed officers or submitmets. The posted crusts, as all the posted crusts, and the post of the method of the production of enther method of the posted crusts, provided the method of the posted crusts, and the post of the posted crusts, and the post of the posted crusts of the posted crusts.

Deputy Surgeon General S. C. Tonneral Trace pri Verbell Officer Korana Leld Lorce The unsequenced and development of the sick, would, I thind, on the whole be curried on with greater officeces; in a grainon hospital under the discretion of a neil selected cause medical oline from in the norms of regiment of hospitals. The sixtem of grainson hospitals would unabsolidely affood greater facility, for contributing errorations of early to the sixtem of supplies, and modal carbols the administration off ear to whitme more fully the sixt and establishments in the desperal. It would not present of consolerable economy in subsolutative establishments, but hospital establishments enough in the sixtem of the contribution of the c

Sargeon Major T O Herletter err Actor Depots Surgeon Ocean by t D to on Unemestionably I here given my reasons in the report alluded to in answer 5

Suggeon Vajor J Petkill, Mrp Fra er of Medical Accounts B gal

Fide meter a

S gern Majo J H Porter, Inte In M I call II age of to II Hen i it Is Days a lectawar halley I M Lorce Yes, then would be great increase of efficiency and great economy to subordinate establishment

Francis Major C. Mari o Array Mile 1D pa or 13 h Hus re There would be a great raying to the State, and also mercased efficiency

7 Would the small guaration of the Bratish and Indian Medical Department be seen refer on to seeme this end ϵ

This is not all the form

Such a merone mu toleron is be greatly facilitated by an unified downer of 1, and the september impossible metal value an united metal value.

Efficiency and responsibility are inseparable. Under existing regul lations, the promotion of medical subordinates doing duty under officers of the British medical service is in the I ands of the surgeon general, Indian medical department Medical officers of the British and local services, respectively, receive their instructions each from a separate head no control in common belonging to either Moreover, the hygiene of European and Nature troops is directed by a distinct set of officers, although it cannot be doubted that the incressed experience gained by the supervision of both Europeans and Natives must add to the medical knowledge and, therefore, where of any officer under whom these duties me combined

Surgeon General J P Beatsum Mrs. Ludian Medical Department.

I cannot see any necessary connection between the establishment of station or granson hospitals, and the amalgamation, if that were passable, of the two method servaces. Dren under the supposition that one method officer would suffice to descharge the duties of each table to the supposition of the mind of two particles and the charges of both sets in the person of one modified.

officer, and this being the earn, there can be no necessity for snaking the one change hinge upon the other, as if they were necessarily not makesolchly unfied. I further believe that any arrangement which would pai. Netwo regiment's logical under my other navagement than they or in officer of the Indra nectical department will be the same starting point of much augmented expenditure in their component. Nevertheless I am of his believe as that seen that an Indra ne that stiff corps, actually substants to the Indian core ment, and successing all the hospitals is it county, European and Patter, suthant deducation, sendle to not learning the neutral production of the control of the part of the neutral products of the opitals would be med learning. no way interior, while the economy lifely to be respect under a purely Indian Government correct would be very solid

Medical officers of the British service being no longer regimental, there seems no good argument toly an additional step forward should not be taken, by having the tredical distres of British hornitals dis-

charged ! Indian medical staff corps men

It is impossible to concern anything more unreal than the stock assert on of Indian medical officers being unequal to the management of Duropeun hospitals, though the converse of it is in all likelihood quite well founded. There cannot, I conceive be my question of the absolute truth of this statement, that if the Indian Government possessed the decision of the question teaching the necessary strength of the methed establishment for European beginning and international entire tion result is an early result. An unmeans consumed saving would be effected, while decided benefit would accrue to every individual officer from the practice of working up to full power, with the delightful consciousness, moreover, that he was truly performing duty somewhat commensurate with his monthly 1 sy

Surgeon General C A. Gordon Princ pal Med cal Officer Entish Forces Madras

I do not think that an amalgamation of the Butish that is, army methcal department and the Indian medical service is in any respect necessary or desirable, whether the system of granison hospitals is forced on, or allowed to drop, as for the interests of soldiers officers and their respective families as well as the interests of the service generally, I trust it may be - In paragraph 5 of annexure B, I indicated what seemed, and still seems to me, an easy and mexpensive way by which the medical requirements of the Native troops could be met by the army medical department. But there is another way in which the same pur never to spit these of its members who selected the military banch to several advantages attached to it, and the considering the subject over since I formerly wrote, there appear to me several advantages attached to it, annuly, to have the local medical service on the footing of a medical settle corps, these of its members who selected the military banch to stick to it imless under special circumstances when they might be per mitted to exchange into the civil branch, or be by Government selected to fill particular appointments. I believe that as in the military staff corps, so m respect to the multirry branch of the corps, I suggest ex-changes between members of it and these of the array medical depart-ment should be floored, and that, were they so personal convenence and interests would be better met than they are at present, and the well-being of the service is-celled thereby. This is a mer allusion well-being of the service benefited thereby This is a mere altered to which starl es me as advisable and fe-sable, details, melating distribution of dintes promotion, retrement, and so on, would have to be would out be retrieved.

Dr G Smith M II Surgeon General Indon led cal Service Modras

Amalgamation is not necessary to secure the fallest co operation

of the British and Indian medical services in peace or in war The fusion of services so distinct in constitution, pay, pension, &c , as are the British and Indian metherl services, could not be effected without

the sacrifice of rights and privileges which ought not with justice to be set roide The first 54 medical officers in the Madras army list are men who entered the service previous to the trusfer of the Government of India to the Charte LVI of het 21 and 27, V ctora Cap VI Crown, and an Act of Pulsament's secures them in all (the Hote) Clause)

(the Heist) Clause)

would navolve rade of changes in the constitution of their rights and purchases, to their minigrantion
would navolve rade of changes which it curred only would constitute raid grounds for clausing positions for up best which might tooms. It is of course within the bounds of possibility that individuals of the class referred to might select similgrimation, but certainly it is not within the bounds

of probability considering the resured advantages of their present source and position. Nordo I think that the medical officers who have entered the service subsequent to the kirinster of the Govern think that the mouth obserts and are entered the centres susappears to the forces must be Her Minjesty would willingly recept such analyzamaton, manmed as by doing so the would leave one of the be typible services in the world for a new certices which would probably ofter fewer advantages with a fail less resumed and desuable position. It will be remembered that an it tempt at amalgamation was made in 1862. In a despitch No 82, dated 12th March the then Governor General in Conneil recommended the formation of an amalgamated service for the mated army of Great Britain and India, and columnted a scheme with that object drawn up by Colond Norman The Secretary of State for Was objected to the proposed fusion, mounly on grounds which excited the astemshment and indignation of every member of the Indian medical services

The projected unalgamation was abandoned fortunately, I thuil, for the Indian medical service and india. The Indian medical service is held in high estimation in England, even though admission to its runks involves a long exile from home and all the risks of a tropical climate, and this is shown by the fact that the hest qualified candidates for public employ select as a rule an Indian career to a caner in the British medical service. The first effect of amalgamation would be to after all this, and to make

the Indian maligrantical varies impropulse money young professional men.

Annigrantion would ermostly nightly in not destroy, the special and most ofmrable organization of the Indian medical service which, as now constituted, embraces not only a military, but also a card department. This dual constitution life is defined by not only for the engencies of any left also for the requirements of perce. It's peculiar suitability to the wants of the country is acknowledged by all, and I appeal to the great and progressive work this service has been currying on in this pres O may see a green and the constant of medical with the population generally, the monitor, pairing and made, of hospitals and dispersions, and by the monitor, pairing and made, of hospitals and dispersions, and by the number and admitted value of mointing agent.

No action of Government has been more popular than public and purvice, who have been educated. No action of Government has been more gonder that that the object of which is to provide methed and for the masses, and in currying out this great with this had the hearth and efficient so operation of the medical department. The present constitution of the Indian maked department is well adapted to meet the demands of evril his and the evigences: of the fluids models depresented as well explore to most the outsides of each in the and the edgeness of mr, and I shall deply regret the dismission of the existing setum, whether this be effected by manigamenton or by repartions of the ministry from the entil depritment. If multiprinations in mentalsh, it should, in my common, be restricted to wholenests from the old and nor medical, services and to ner ententis. It mylheations to the administrative grides as best with difficulties. If the numbers of administrative showers or to be reduced, the effect with be that the definition and guarantical expectations in that direction of the old service would be set aside as regards pay, promotion and requires most origin consideration at the hands of the authorities. The service has already had its administrative appointments more than once diminished, and further diminished will inevitably lead to remonstrate and disappointment.

Deputy Surgeon General J M S Fogo, Official 1 g Surgeon General British Potocs Bombay

Certainly not, the records of the European and Native troops would have to be rendered separately, but that could be done by the medical officer of either service in charge

Dr W J Himter at n., Susgeon General Indian Medical Depart ment, Bomboy

The deared ends, ver, reduced expenditure and increased efficiency, could not be secured a long as two distinct medical departments expeed Euch would require its senior medical officer and its separate at munistrative stiff, and so forth. It is true a certain saying and a certain amount of increased efficiency would be effected by smallgramition, but much less considerable than were there but one department. Annigamation of the British and Indian Medical Departments would not be so effective and complete, as would a system of having but one moderal department for this country, as I shall show further on

De Colvin Sin th Depoty Sur geon General Indian Medical De partment Madras

There would be no necessity, I should suppose, of an amalgument of the British and Indean medical departments were grarreen hospital metitated. Daropen troops would be treated in one side of the building, Nature on the other. Until a few years had the muchel obsert of the Indian army treated indiscriminately Propert and Native troops, and there is no reason why they should not do so igain medical officers of the Brites medical service would after a short er persence of Natures, he able to do the same The medical men of the different services would each treat his own men

Dr J Gibbons Density Surport Gereral, British Forces Mount Carole

I see no necessity for ample amation of the services to secure this end I believe both services to be essentially separate in their grains and requirements. The peculiar nature of service in India, the constitution of the Native arms, its medical wants, the number of different nation thites composing it, it e subject of language, caste —all point to the re-ce-air of a special medical service temp retained for In ha. I believe the conditions me fault well met by the Ine ut Indian medical deperturent, and my attempt at change or milling the officers of either service interchangeable will result in disappointment, and is very likely to extend to both departments the description which not presult in the of them

Property is open Central in C. Towns of P - all Administration in Busser I allow

The unadgemention of the departments in all grades would not be neces us, but then would estands be he danger of fretion in the working of the general hospital ey tern if all the medical staff belong of to the same of partment

S rgson Major T G Howlett, o.r.r Acting Deputy Surgeon General Sind Division

In the report already submitted I have stated my opinion that there should be one medical service for all India, and I recommended in it the withdrawal of the British medical department from Ind a altogether as unnecessary Any amalgamation of the British medical department with the Islam method department could only in my optime be accomplished at a great impastes; if I may respectfully be cliented to say so, to the microst of the officers bedougng to the bulking services of the officers bedougng to the bulking service. It must be remembered that these officers of the Indian method department who were on the

abolition of the Honorable East India Compuny to unsterred to the direct service of the Crown had their rights and privileges guaranteed to them by Act of Pailiament under what is known as Colonel Henley's clause Officers of the Indian medical service elected, in consideration of certain advintages Amony a source. Ounces of the Junion increase service sector, in consumental of offering attention of clients to them to pass them have as India, and they actual out a consensativity the last Homozable East India Company, which Parliament subsequently satisfied. I have no hastation in seying first many of these advantages and pravilege used invertibly be left to the Indian melhaci efficient if the two services are similgonated as proposed. It must be remembered that Indian officers have not the opportunity of serving in Europe of Cundo to the colonies, last all their services must be presed in Even the leave they take 18, with exceptions deducted from their service for pens on

nums. Just any level topy take my time exceptants succeed not not set extra to the plan of the Thus is far different to the case of efficient mid-Bittals service, who only come out to India for a torn of five years' service, and who can go bene and recent their health and come lock to distribute the plan of the plant and Thea, again it must be remembered that service in the estimated when the plant and the plant medical department sources an additional service in the administrative grades as segared to Indria moderal department secures in additive present of 2895 year. It would samely, I would respectfully represent, be unjust to deprive the Indian medical department of approximents which we the sole prizes of the service, and which are greated as expected in ment and shirtly fifter hoots twenty any year service. The prospects of officers in the Indian medical department as regards promotion result he irretrievably runnel if any analysm-ton of the two departments or take place, and I may strongly of options that is unpositive would thus arrangements be, that the Government of Indian would soon here the same difficulty in getting men to join its service as the British Government has in finding young men to join the army medical department

Surgeen Mayor J Pethall up Emmuner of Holical Accounts Bengal

From a careful consideration of this question, I do not see any bonefit as blely to anse from amalgomation of the two services. I do not see how this can be curried out. If Government is seeking a real reform which shall be for the benefit of the public service, it will not be discovered in ample imption

Surgeon Mayor J H Portor Inte in Med cal Charge of Field Hospi tal Int D vision Poshawar Valley

Yes, under certain conditions, that the training of all medical officers coming to India be thic, as suggested in answer 11

Sorgeon Major C Martin Army Medical Department, 18th Houses

It would not be necessary, and I do not see how an amalgrantum of the British and Indian modical services is possible, the divergence in methods of treatment, hospital accommodation &c &c being so marked For metance, the British soldier is dieted, has bed, bedding, &c., provided in hospital, whereas the Native has none of these things

What do you consider to be the result of experience in the working of the medical and hospital systems as practised dming the recent operations in Afghanistan?

Surgeon General J H Ker Innes Entish Medical Des urb-ment, and Princ pri Med cal Officer Entish Forces in India

The medical requirements of the Indian military service are peculiar, and in some stations there may be no alternative but to perpetuate a medified regimental system. But the arguments in favor of that organization appear altogether to lose their weight when applied to the altered conditions of a body of troops brought together for active service, and the impolesy of parpetrating a system is a time of peace which has not been found adapted to wasfare is at once y specific as compage the regimental hospital with its own staff, through and stores is but an encountry use, repeated in its

regulation applies when the view power of the component and their manching trues, repaired in its every detail as many times as there are separate requested and their manching units. The descentia of a medical and hospital establishment accompanying a force on active service are manufestly that it shall be efficient that it shall dispense with needless re-duplication of stores and appliances, and that its transport shall be reduced to the lowest mul. consistent with officiency In these respects the regimental system curnot compare with a consolidated one, and in India the arguments in favor of the last named an angement passess the greaten weight, because there is no army hospital corps, as at home, specially trained for reheving medical officers of a mass of duties of an extraprofessional character, the carrying out of which necessarily withdraws them from their legithmate work at a time when their services are most needed

work at time when their services me moto account. The subsymber method hepriment's exchangely awairing to the hespital (infofessional) functions of the melvical officers, and takes little opproving of the cubiteral dates fulfilled at home by men of the namy nospital copy. As I have deschess shown the leading advantages of a consolidated system consist namely in a defined purpose and method in the arrangement of deta is. Its objects are to equip corps and hospitals with a lumited, but adequate supply of selected materials, duly arranged to appropriate modes officers and substitutes to postators where they will certurally be most needed an actual warrang, as, to see, methed dates and hospitals undered to be belthy men of reguments and britanes, and not to waste skilled medical labor, or to encounter a moving column with unneces-

sar mined me to wheller the e con tof ston o s and timust be nimen band that his the deno lof ounled men econes only occasionally need I the chofn column are a count t

quant t for vhel pov son h stole m de That Inny none on o combine combine combine that of import—no led the specific combined to the specific new order of the s

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	REGI IENTAL SYSTEM					DIVISIONAL SYSTEM									
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Normal little stems the field I properly adjusted by order of common ce it tooy jetteme professor at the fide is a geral little it experies of section little in a geral little it experies of section little in a section devidence and classifier and good jetter if ly of is considerable in Property of the section and the lot I by lay reconsiderate on by the present property leading to the present protection of the device of the present of the section of the device of the section of the description of the section of the description of the section of the description of the section of the s m trament to

believed could best adapt itself to the requirements of small units. It was this impression which led to the retention of a modified argumental organization in the Kuram and Kandahar Divisions, where its continuance was also promoted by the excumstance that this was the authorized system when the force crossed the Indian frontier, as well perhaps in some instances at least, as to an imperfect acquarntance with the details of a new principle and its adjustment to the needs of a small unit

When the precis of field medical service was drawn up, there was neither time to shape it in every particular to recens a non-memora as a manufacture as a particular to remain a recension of maniferal cases for anything up-proceduring the edocute fulfillment of the deepg in west. The centuring national and outprincation and to be adapted perforce to the work bready in head. Under encounteres so netween, it becomes a matter of suppose that its success was so prenounced, and that its verlang, as evidenced by the reports of the medical officers which have reached me, was so efficient and satisfactory, that it was subsequently adopted from choice whenever hostale expeditions were unterprited and notably so in the Kuram.

Torce, where it had before remained to a great extent in abeyone, when a forward much towards Cabul was in contemplation.

I unhestratingly reply, therefore, to question S, that the principle set forth in the pieces of medical arrangements has received a satisfactory and sufficient test, that it did practically accomplish its design, and that, where it failed, the causes of its failure were apparent, and were clearly not attribut-

able to defects in the system itself (orde reply to question 10)

Sargeon General J F Bertson M D , Indian Medical Depart mont

I consider a chief lesson derivable from experience during the recent operations to be that every force taking the field should be accompanied by the stool and blool for base, sutermediate, and field hospitals, that such establishments should not be left to be extemporized when the hour of research is a mixed, but that the entire equipment, both in respect of possess and successful to the first the entire equipment, both in respect of possess of and sentently, should be a quented in advance and accompany the column in such form that on the order being research of the absorption is the should be possible, within a very few home, to have the establishment in complete nothing order.

which I very leve many to mave the exclusionament in compare within go order.
With reg and to such hospitals for Nature though, I can speck, most confidently that they must be independent allogedies of the very tmy expunents that could possibly be contributed by regimental establishment. To trust to node a source would be simply to mark infaire, by destroying the regiments. mental prevision for the sick and wounded, yet failing to supply a suitable substitute

Moreover the very range d'aire of these bespitule is connected with the mobility of regiments, a circumstance impossible of achievement if corps had to carry with them the equipment of such semi-

etationary establishments

There have certainly been most serious compluints made of the utter wretchedness of the Native soldness when thrown in numbers into one of the so-called general bospitals, but I do not personally consider made rule to be necessary finatures in the system, but to be deer rather to the impactive immune in which the attempt to woi, it has been made. Bricks caused be under written's start, and makes lettle, however their consigners, can effectfully treat me bear and surgect or seen, carrying occasionally in about, without having at command every requirement of effections or not insufoccasionary in solution in the center's and confections of the putents, unless the beautiful an incipally found in helding, dothing, and sufficiency of steed into The Adding, dothing, and authenticy of steed into The Native regiments were indeed to take the field with my months' supplies, and to scare them

agranst accidents a further provision for three mentles 10 "espect of both commissariat and medical

store department supplies, was held in renamess

Cases contribing them were prepared here, where the severe strain was less felt and ofter being recurately numbered and addressed for each must of the Nature forces employed, were forwarded to the commissariat officer at the base station of each column, for distribution to the medical officers conoccuried, on receiving from them a requisition delty suscessed by the preserved administratives medical officer. This corresponds which makes a fine preserved administrative medical officer. This corresponds which medical officers correctly all them a supplies upon a simple regular only was very good, and we much appeared the Debt and contamined several theoretical proposal constantions, and last sasted to the administrative for the proposal constantions, and last sasted to the administrative for the content of the proposal constantions, and last sasted to the administrative much laborated proposal constantions. establishments

The return march from Afghranstra does, in my opinion, strongly enforce the view of the absolute necessity for regimental hospit. I efficiency As complete a division of a force into its compoints in the extensive an excessibly be man good a temperature and the point in training and a state of the point in training points in the extension of the e principle if one was rested upon the first of the Khyber column, which had norther sick nor vounded in such numbers as could have finily timed the endurance or success of any arrangement The Kuram column was under the administrative metheal control of un officer deeply impressed with the belief that everything langes on regimental efficiency, and I believe the introgement and success of the medical department with that force were such as to schove the commanding general from anxiety and to secure his commendation for complete efficiency. The workmen after all are the chief factors in the problem and is second, as surely as the fields will fail, under any system, however imperfect in the one error or unchallengeable in the other

Dr G Smith M.D., Surgeon-General Indian Medical Screwe Madros

From the secondary part played by the Madras Native toops in the recent operations in Afghanistan, the available information is necessarily meagre Surgern Shithorpe, the medical officer attrached to the B and E comprimes of the Madris Suppers and Miners, has submitted a valuable and practical report of the military and medical expenses of his charge, and from that report I select the following stems of information The

field medical arrangements were made appendity upherebit to Diriths throops, the principle being fol-lewed as far as possible with Native throops with regard to exacting acquisitions. The each of British and Native throops were be treated separative? In the presend arms up by Surgeon-General Lines, c z ,

the Prescript Medical Officer of Her Mayesty's British Troops, the hospital organization was to melanded viscouril field inspiritly, drivenum horse keopathly and retting the principle of the field consecutive of the description of the colorant of all unnecessity amplications of the transcription of the field consecutive of the field of the colorant of all unnecessity amplications of the contraction of the transcription of the field of the colorant of the field of the colorant of the property of the field of the colorant of the colorant

The report further shows the designation recessive of bring trunce, a little and properly empty.

The report further shows the designation recessive of bring trunce, a little and properly empty in her of untrunced, unclaimed, and fashity engage the zeroes, and servents of 1 and, and in strong much feature. An arrange to the a necessity. The valod quarter has formed an arrange to the control considered on San apprecia from the truncation of the mention of the medical expansion of the medical expansion of the surfaced expansion of the

tions in Afghanistan

Dr W G Hunter MD Sur gran General Indian Medical De partment, Rambay I have no data ou which to have an opinion except as regard; the base looset of sold ur, which, during the lane it existed, fully met the object for a high it was microded, both as regards efficiency and economy in working.

I have been told that the medical and hospital systems as practiced.

Dr Colvin Smith Deputy Surgeon General, Indian Medical Department Madras

Dr J G thans Deputy S egeon General, Besturb Forces Mount Car

during the recent operations in Afghanista aminored furly well

My knowledge on this subject is restricted to one of the columns

My honology on this subject is restricted to one of 10 columns engaged, the La Division, Re-dwart Ledd Force, of which I was the penangal medical officer, in it the field beyond a joint wis adopted for the Dameyon hospic never descendance with the interactions and rather hall down by the Surgeon Learner, Button Troop. I be her all the moched repeatment of the cumpray were filled med time the personant of the cumpray were filled med time the personant of the cumpray were filled med time the personant of the cumpray were filled to the medical personant of the filled for the personant of the personant through the pers

Beputy Surgeon Central S C Towner of Pr or publical cal Officer, Larum E chi Lorce

whether position from he would have been in Argemental nogative. It was not present with the Karem force during the only written, when the only active operations of the camping were certified as Man. Lymod the column an Angle in exposurable systems are interested in Man. Lymod the column on Colod wer (the probable), if was excited that the field beoptial years detailed that the field beoptial years demand the length of and hospital was questly ong word from the person of and materials of the force long darked, then time in the course of the explaints, the hospital is as eguivant of meetings, cach section being complete in trief and ravely at an hours in notice to recommend the hospital is as eguivant of meetings, cach section being complete in trief and ravely at an hours in notice to recommend the hospital is as eguited to the control of the explaints of the dark which the hospital is as eguited in the control of the system of the state of the system of the state of the system of

Gorge V J H Proc. Les Moral Co pe et le l Hist ha Dr. o Reason to est d'Proc. or more one had the risk me, on Calai been decided on Little great deficults. The nation has up to month reast one in the first the nation of the trape fine deather to the trape fine deather to the property of the trape of the deather to the property of the trape fine trape of the trape of

S goes M j C W t Army Meds D per m t 13 h Hussars

That the I so and field I osp tals of K run villey force worled on the genera system ans e ed admiribly that there was economy and generation satt. The will a yet or nothed

The genera hou tal system commends itself a vario s ways and

the late empagn I spoed its val e

If there s a stress of wo k-e ther sick or wounded men there s a la ge staff.—the wo seemly distinct and added with tonce by discommon against the work of the staff.—the work of the staff of the sta

I en as the he p tal was formed as ct ons se f contained t could act ito citle or a section could be eached admard at a hours notice with med cal officers establishments stores tents transpo teom

How far did the existence of two medical departments Br tish and Indian prove disadvantageous to the efficiency of the medical branch both in administrative and executive work?

Sage a Green J.H.K. Line.

The im seh of which is ordinar by wrought through the separate
B the of Douten a and und do general adverses of two distinct model aldern timents was during
I problem to force I beat highly. the late cup an lessene t by the prontone t to each division in the field of one medical lead selected indisc in mutaly from ether service to

whose orders both B tak and lo al med cal office a we o mentake.

It is true that it was found no es any to do withe larger pe toon of such officer from the British serv on because the I dam lists neluded but ery few who had e ar enjoyed opportunities in the past

of serving with British tree s

Novertheless frequent efe ences we e necessary a d these had to be in de sometimes to one and somet mes to the et er ut o ty the rby evers on me the manifold measurements and delays magner able from reviews which may be best more elly covering a dief of the staff for ethe sare or rejectively enclosed in Calcutt was done of this Command in Chaef The propho of a divided a thorsty was the sea chosed which may be at may time it rough divergence of opin on have become dange ously of structs e

It was due to thus anonaly that two systems regimental for Native troops and gene al for D ope na obtained and that the general me at one of persons regulations up to I have been good and that the general me at one of one of the by the St groom General B the Two s on who on whose the Commandon of the depended and on been the responsibility for its office may of the medical range generating separability depended on the made and only of the the contract of the contract

Account of the surgeon General of British Troops although present 11 the field and of ely membered a cut ying out are normalis for discensive up the fight glorge of its sector confidence with a location and the surgeon of the confidence of the location of the surgeon of the location of net tit on no all sto rende chaetre serve. No d d t a say and se y to "ball cust only for Surgon Gray of the I dan V to del v Depretages when it is on a most cell charge of the D kit v section of the falk hop in account mying and of lags a connection will a sum sect on cit if a language of the falk hop in account mying and of lags a connection will a sum sect on cit if a language to the language of the charge of the section of the language of

Surg on G era J F B a u un udmu Meth Depa ment

To each separate column of the forces in the field the c was but one piet I med cal offee and theretoe under its suppost out it the lid been Inji y solocted will it is fire frames self chince in stot church to the pasthon there ex in y sho lib e be nio

Is motion of se vices in pactice by the entire body of the modeal staff should I we been so can or walked le I some of that beginned the control of the latest the some of that beginned the control of the latest the some of the Government of Ind a the pure I made of loff as as Io dim to ga the mode of loff as as Io dim to ga the mode of loff as the pure I have been some of the force to not fer it in to

mode (10) as \$10 am to \$9 acts move a numerous acts now as new as well as the common new news of and personally 1 from the 1 set endes or evid to make e 1 in destand it in , lot the h i et cops! as \$9 a * state existed with complete mode all ulto by and the 1 ng now h m a suffice sof or mode is about in the so they observed to the down hold of ar co a they are ell suffice cod by no other consideration if m may power to collect and supply them. m suffic ent numbe s

Tic Go crame t of Inda an letter to a ISK C a ned from the t ce oy s comp t Laho e on to 18th December 38 expressed the hope we to soully but the ghit to enter in the expect on to 18th December 18 expressed the hope we to soully but the ghit to enter in the expect on to to forces dome strike a december to a like pally even themselves for fire the pile after easily firm and havely even that and I same ey here a from the a sense of the she of complaints by an entire of the Indian server and the hearty acknowledgments of the real Appendix IV

(861)

and energy in the reports of the Bi tish administrative officers, that no friction occurred which we due to a narrow and in becoming persons thetino in the two service

Two of a trade may proverbuilly differ but I would fun hope that I boly of chertel gates nor of men would not demen themselves by displaying sentiments of jealousy in the joint discharge of an imperative public data

Surreon Co end C. A. Conton Principal Vehical Office. Leid h. Lorer Madris

In the hope of helping on the inquiry, I remark that through out the empuga of the mutus, the evilence of the d putments was in no was disalvantageous to the efficiency of the medial bruich both in admin traine and executive worl, but that in several re-prets if really conduced to both, as officers of the Indian medical service understood Nitive volders well and worked with

them in a manner parfectly exterfectory. In that companies it is, as in the time was of the Pranyals, and I close that in the CV inter companies the same extent would with. I indian is when differ intelligence of field and re-cree loog risks, and in the cree of the wars of I Maj 1816, and I Ne. the model of our strike of the writes cargod use outside conducted, and a di conducted it offices of the lides excuse our specific outside the desired outside the desired of the strike cargod use outside lides of the lides excuse which regard to the motion knowled bid do use success the first hifteen field forces, namels, it is communical by Sur T. I Iraks, and with expectable the by Sur T. Iraks, and w I do sal Largard so that in respect to them I give the r sults of personal experience in the held I have hardly any dally on which to express an opinion on this question. The medical officers doing duty with arguments likewing Dr. W. C. Hanter Ho. S.r. penn f. et et l. Julian Med. al. D. partu. I. Bossiny

to this presidency with the Kandillar column have been entirely placed under the orders of the principal medical officer. No cm plants have been made, and I have no reason to suppose that anything has anothe disadvantageous to efficiency either in the identistiation or executive work

Dr I Gilbene Dp tr 5 mees Ge eral British Lorger Herral

I am of opinion the reply to this question is for the consideration of the heads of the departments No disadvantage was obvious to me, and no hitch accurred in my

Diguir Street Control S C Term rd Irical Natural Offi ris har at Full Lores

relations with either So far as I up aware, the existence of the two medical departments has not proved dischargeous to the observer of the midrel at a ngements of this force cither in administrative or executive work but I doubt whether, as a permanent wringsment the superix ion and

control of the executive ofteness of one the itlantal of the executive of mother will be found from the first of mother will be found from the first of the control of the ome of complete will be a such as the most left to the control of the distribution of the limit of the most left to suffer from analyzand on of the unbounder the grades of the tan services. I then the greater map times tilt died to Jungent trop and all maintaints effected a this laders active pland over them must preserve may be a longer trop and any with all the tilt of the many means (d I may in hospitals, but I can many means and er of the Bartist system of most in approach at the hind at most one of soon to most be the lamed in quantited with the hind in the size of soon to the lamed in quantited with the hind in the size of soon to the lamed in quantite with the hind in the size of soon to the lamed in quantite with the size of soon to the size of soon to the control of the size of soon to the size of soon to the size of the size ments will ruffer under ampligamation of the administrative grades unless special accounted are talen

for their protection Sirroun Major F. II. Porter la e in Meliesi Clurke of I. il II. il I. let Brist on Le harrir Valles In III oreo

Personally I am not aware of any disadvantage, as I only held to our head, the principal medical other of the division, but from of studies I could see it was a great disadvantage lining two squares. medical departments, both working for the ratio and, each linear cutton dates a lack each have been performed by one her in the green force and have been performed by one her in the green force and have been constitution. When I is the expressions I mean that having a Principal, Medical Officer from the Bulle is sen of

I must first design a first few many per property and produced Content in our stand is serve of a familie of the personnel of the Christian Land of the Ch ment up he the mine fremmen, the eval I not occur

I make that and die boutage verned Int all number to can decil effect the every honeser ! present to I man elong of I the Bots har I Native treats him e all (1) It is one of the irrac parameter ?

many of them were wholly new others ofther old and infirm, enfeethed in health, or young and immuture. Clothing was very't thigh result to them, and in the meantume must precised from copessie, and instead of a body of enterling elected new field for videous word, a large magnety of them had never been metherlly inspected at all. The consequence was that there was great sickness

and it is never even motively insperse over it. The consequence was that there was great sections mongest them not they thus offers proved an encomplement with our hardy. Such as the general team of till the regards section of motive officers, some of whom have personally spid on to me in strong teams on the same subject. Moreover, there was no proportly organized state of more automatically officers or men to relieve the medical officers of the playmentalistic. and worry entried upon them by muslering the Lahans and personally supermitending then work. Accoiding to existing arrangements, the method officers had on the line of much to begin their morning lations at least an hour or two before revealle, in order to get the such marched off with the troops.

This occupation has been represented to me as a false and humiliating position for medical officers to

occupy

A large proportion of the transport animals, camels, and make appropertied for hospital use were feeble and unit for the work, which required the strongest animals. On many occusious camels were considered to the most camels were and the most childy amongst them were enormous, the hespital equipment (conveyed in camel turnls) was too heavy and misuitable for camprigring in a difficult contary. It was buil down in the medical precise that "the whole of the sick critiage will be under the orders of the principal medical officer, who will distribute it according to the requirements of the service," but this it was not always found proceeded to carry out. The sick transport of a division so for from being maintained apart, was constantly diverted to other uses, the scale energe, both in the Guette and kip her refunes use sleen her exponented, and begulat tents and equippeg in the metture of knowlers were refuned to the dissipated tents and equippeg in the metture of knowlers were refuned to the dissipated field begulation an unservice the state. The divisional begulation of the khylin column use often regulated as an encumbrance and administration of the khylin column use often regulated as an encumbrance and administration of the khylin column use often regulated as an encumbrance. and was relegated to Ah Musad, while the main strength of the division was occupying Dal a having

an mercessing sick has without alogarde mercas for facer conflort or care
to node be easy but unnecessary, to multiply seek markunes, let it suffice that the reports farmatice
to thus office about of with these and smaller striments! Much of it may perhaps, be recovaried to: when it is remembered how great was the searcity of courage, and that a comparatively small amount of transport, when aggregated with a divisional hospital formed a tempting but, while the much lager amount divided amongst individual corps for bospital use would have been more likely to escape observation altogether as belonging to regimental equipment and therefore placed beyond the reach of

extraneous interference

Dooless however well adopted to the plans and a country where there are reads of any kind, are, generally speaking, untit for frontier mountain warfare, they are large and cumbrous for steep ascent and mountain tracks with projecting boulders, some of the duidies (Lummock dundies) used for Native ticops are equally unsufed for the transport of a wounded or sick soldier The Looshu dundy, however, proved by far the most suitable, in handmess and lightness for such service. But however important the adaptability of the more vehicle may be the efficiency of our sick service. Due notice the most make chaptering the concerning on the service counts may use to discussing it under columns, the collection of I shaw must be legger to make all laphazed, but all most undergo careful selection. I thank that come sort of wheels' transport, justically seemaking of the other of the Chimos which hand, that come sort of wheels' transport, justically seemaking of the other of the Chimos which hand, might be uturing county employed; as an adjunct to portable laters in the field. My senting, Surgeon Major Marion her suggested that a light for wheeld cat it as burner, explicit of the many control o pushed by hand or drawn by a pony, on pamesple like the costermongua's cast with a light removable state then or define in place of the esstemment from their sould prove a good and cheap which of These are however, manufer which would be out of place here, and should found a special subject of enquiry and report. Still, I may here express my belief that, while the number of borrers i therity consider decessive with a fighting column might be materially reduced with positive advantage, the general introduction of light and sample forms of wheeled treasport for exchanged use, in supersec-sion of double courtage, would either an expressive sample to the State This position of a divisional field inequality or section through on the first of march, or in outing.

does not seem to have been definitely settled nor does the requisite guard over it on the line of much, as in the case of commissarrat stoics, regimental and other laggage, appear to have been considered

It is behaved that the adoption of the following suggestions would prove not only financially

advantageous, but would seem mesered efficiency—
All and curry, and no heart encyding appartament to the health deputusent, should be placed at the dappened of, and be befored under the orders of, the prescript methed offices, with whom the responsibility for its efficient maintenance should rest, and from whose direction it should never be diverted except by the special order of the general or other officer in command

II That the doctie beavers now separately employed under the commissariat and medical departments be consolidated, with a view to ensuring their instruction in necessary drill for a given period in each year. The men so trained in conforments, on taking the field, should be replaced by others

employed temporarily

At present the doole-bearer establishment is divided into two parts, employed and paid by two separate departments, see, a permanent establishment attached to corps for duty in entonments, under the orders of the medical department and raid by the pry department, number no when 1,000 men and (2) the moveable column establishment of about 4,400 men, coupleyed and paid by the commissionit department

It is proposed to numliguarite both medical rad movemble column est-hibshments of doubt beauto-place to whole under one departments, provide one surfacem rate of pray, and from them at times of prace, in the distres required of them in the field. This could be effected by an interchange in the station of men every quarter between the hospital (where the training will be conducted) and the hard quarte centies of the establishment. By this arrangement every bearer might go through a short course of training periodically

A corps companing of 5 000 or 6,000 truned dooks better would be sufficient firm time of shout 20 000 to 25,000 men, their phees being substituted by others temporarily can loved in conten-

ments during war To make the borrer corp efficient without extra expuse to the Sixte, it would be desirall to

reluces the number, and inhire the saving effected for clothing and bridding on field service, with quarter, &c., &c., under the rules recommended for the arms begintal corps

III The organization of an army hospital Native con s, which I is already needed the sand on of the Impered Government, will materially asset in rendering the field organization and true jet-more serviceable, which will also be much advanced by the remodelling and reduction of field hepital equipment

Surgern Ge and J. F. Ben van 1. D., Januar afederal Department

I consider that the currence supplied for the trusport of the sick of the Native forces vas very well suited to the purpo e though no doub! the layare dis were very roughly manufactured, and not suffer only

The crurage consisted of doobes Looshin doobes, iluning addityis certually doubtful, theast I am not aware of any authority for groing a regiment of Nature infrutn with a strength of 507-

Doolies S Loosha dooles , Dandies 22 Layaw-be 10 pairs With a personnel of mates 8 Doolie-bearers 200

which was the establishment of the 15th Sikhs in the Kandahar column, equalling my 10 per cent The dools become more remained in the Pamph and Hindustria, the former of a story of the remaining of the property of the Pamph and Hindustria, the former of a story of a manderfully sogness through power all tound, a better planeous capible of gractic exerting, and much less leaded to sectures. On the long much from Sukker to ken takes, only a safet Pengale leave use.

put hors de contid from sulmes The only tritle of carriage which seems to me to have come out of the orderly with complete sizes v, and it but innerest alreaded ground of a piecents, tar local the Def. of Joseph Beiley, which I have invested a restricted and reliable to notice of Generators, and in min, if a reliable which of I have invested a reliable to the probability of the reliable to the could be be used. It is not local the second legal to the size of legal to the size of the reliable to the size of the reliable to the relia

The transport of the long merche for risk Ambient that four herees for each the 'ar' Joseph Bodren too small a complement, but I there that shows so, current the contained the, tur will trace off child recomplement, but I there that shows so, current the column of the, tur will trace off child recompled the remediate with the late of the art Joseph and Ambient so, and the complete of the contained the same memorials of a regiment or force, receiption membreness of current for the safe or but the should measurement on acquaints of the experiment of t in this country

For pal Vehical OF Brail b For Valen

I am unable to speal with regard to Afgiran (in But from experienced where I ame as most that is need that is need in the left in part for set and come led that I have express the comfort of the panel so compiled exponed sets by the last of they are lift on any sick in a doubt for many success mireles. If he had not the fit is of brittle at Chimpions and Part, on purpose mirel I in I had no

round I men in France time som and along carrier, which to me mind so the 196 c mil co and romal I mean a Franc' line can small what carmet, which to me mail with a role in get a meanfairfulled all all left in view, in all fairs the preferance (that I had in his in a most that, with the left in get in him. I had a did with a nonex regarding the view get in him of all the one important is all the same important in the contract of the will be a him fair. In it also had seld on a ment of hold then contain him he had refer that it is a local seld of the contract of t Dr G Smith, MD Surgeon General Indata Medical Service,

So for us the poteent is concerned, the most satisfactory of all methods of transport in time of war of these who are seriously siel or wounded is that by doobe manned by a sufficient number of well truned

bearers The Madias doolie is too heavy

Referring to the subject of sick curringe, Surgeon Subtherps remarks "The munched a wooden frame worled with ration centre hung to a humboo by chruns with a carrier was the worden times worker was fricted and the centre and go a basiness by strikes and a survive over was the prettern supplied. If weights 6015 weld its curve, and a well deviced for the carriege of the sets, in the plants, but fix hill word it is quite measured. During the second Bancar expedition it was found that the principles sipped not of them when going up or down a hill, over empty it was cases for the better to entry them on then leeds than awaging from the humbors. The faith was found to be easily holden and difficult to report, they had to be such lack to the bree wit Poshru we to lack erany moses and cancells to repair, lower sent on one sent man, to that the 15-26-bit in to have used timing done is Band country tope receib make a much lattice help and ordination cossily to replaced when went out. A head and fook board to keep a present from slipping out are much lequined?" Other mono suggestions are also offered. Duck country of represe and mone, was provided in this munched calculated for 10 per cent of add. It uppears that muny different returns of decides and darders were in use by the troops: Dash country of supractical with the foundois tracking and darders were in use by the troops: Dash country or supractical with the foundois tracking and darders were in use by the troops: Dash country was also functional with the foundois tracking and darders were in use by the troops: Dash country was also functional with the foundois tracking and darders were in use by the troops: Dash country was also functions. devised by Colonel Prendergast, vc, ob, re Tiese stretches weighed about 81bs erch, "and would have been myduchle for carrying wounded men to the rear where dooles could not be brought up as during work in trenches As they only required two men to earry them, fewer hearers would have to be sont under five "

Dr Silbthorpe, in connection with the subject of bearers and then organization, remarks that that each munched had four bearers allowed and five mates were sent with the companies, besides that can insudated had four bearer allowed and five matter were cent with the comprises, besides a small surplus of bearer to cover schemes. "A very considentially proportion of likes men but never a small surplus of bearers to cover schemes." A very considential proportion of these men but never earned dooles in their lives before, and is may were quite unfitted for their work. None of them ind received any persons triuming. Amongst the bearers nevel with the K. Company, then only now thou are barrier by occupation was the patry mastery, meet of them being deschinged cool boys, so es in I coolies". Do Sibbarre or a time of the massime and "mill" which included instructions touching the lifting, conrying and setting down of the manachoid, the lifting phengs in the cohese is womenful man, and the easiest most to it is suffered carrying him over different kinds of ground. The nea were found to be while of work of them were subsequently employed at Lunda Kolai to teach the Bengal bearers to carrying him over different kinds of ground. The near were tound to be withing to work and to be target, and some of them were subsequently employed at Lunds foods to teach this Regal between the same drill. Dr. Shirberge olds a practical suggestion to the effect that the 900 better, borne on the Midres estibilishment should be part known a course of instruction yearly, and be taught many of the duties they have to perform memps as pitching tests, repairing doolies, for "They ought to have a regard uniform and be thoroughly under the control of the medical department for substance, party, promotion of subsings. They could be inthred in the hespitals where many of them would, with a little training, make efficient sock orderies for Native troops

Dr Colvin Smili Deputy Sir gron Gereral Indian Medical Department Modras

I am unable to reply to that fully, but from the reports I have had it as very evident that a long tail corps is much required for the Tahun array. The commission theorets should be all dillied to their work during peace, so that in time of was they would be the brass on wheals a transpost corps to seek might be formed. This a suggest on wheals a transpost corps to seek might be formed. This a suggest

too of Surgeon Sibtherpe who accompanied the Green's Own Suppore and Miners to Afghanistan, should be well considered and acted on if approved He seems to have and Minra to Afghansian, should be well considered and acted on it appared. He seams to have defined his beams and heavist exeruse on the way up from Bangabre with very good results. The Madras muchool has dways been found too heavy for service on the field, that it might be made platfor, it is present weight compliers as 501b, 68 he statuted every. Do Shithors says for all service at requires a head and foot pace—the chains are defoure—rang chains would be better. The cover is bound in much cell-supporting view the bemions run cranced, nested of risku bottom, bread tape should be mid-strated, when the bemions are removed, nested of risku bottom, bread tape should be mid-strated, when the bemion we removed, nested of risku bottom, bread tape should be mid-strated, when the best don't be added and shalles officed, so that it might be used or a stretcher, if much higher than at present, it would be very servenshible for carrying wounded non.

The Soular dunly of 50 or 50 like was the best daudy in use during the campungs, and has the

constituting to the first time, or not on so me was not seen cannot in now carring the entiretying, that lives the advantage who that it can be used as not, built trajentes a light core, and the cannot of the lade should be strengthened and more castly statehead. A very useful bamboo stretcher was then up to Calub by the Nories spapes, made under the super-various of Lonestwart-Chooler Prendigengla, it, v., v., o. a, catacity of bismicko, extremely light (5 or 6 list,), and which can be told to the bottom of a numatical. This "makes an admirable strictles for causing wounded mean on the field to the

first line of surgical assistance"

Colonel Hawke's sick cart is the best on the Madias side. The Madras sick rulway curringe is good so far as it goes, but there should be doors at either end, so as to let there be easy communication with the enrages when the train is in motion. Dr. Subthorpe also proposes that cotton wagons be ventilated and arranged with moveable furniture so as to suit for a carriage for the transport of sick in time of war

Dr J Gibbons Deputy Surgeon General, British Forces, Mecrat Grele

My experience gathered in the recent operations is that all the arrangements for the transport of the siel were most inefficient and hitle better than makeshift, and that after the subject of general transport no other m the service needs more consideration. As regards the personnel, nothing could have been worse. When the division

no personne, module com and com make com work them the distinct of the common than 5 per cent all round being variable for ones. Eth me could not be obtained, such the could not be obtained, simply beaming the chast is becoming attained. In lim of transide beams, a mancellations for of this is who had never centred a double, and cookes of all descriptions was got together (induced to serve b), the highest way for one every four and obtained are beautiful to the finite through the contract one every four and obtained are the common through and such to the finite form of the contract o Commanding and medical officers soon found out that numbers of those so called bearers were unused commanding and mission that the control of the cont

think, lepers, and and earles, fully one think were untit for the work, but could not be replaced if west to the rear, and there was no security against the same men Inding their was lack again as it was hout 10 per cent were found untit from the seed inexpects, disease, and worn out, and it was the omnion of the examinate officers that of the whole, not more than of exceed half can allowed on facting a heaver prior to entertainment. A very certain opinion can be arrived at on the cut jeet by the il once of the shoulder calle its and discoluration, which in some degree i throse to be found on the profe sonal be men

Is regards noticed, the various forms of dooles and dandes were almost exchangely used in the list Direction, Perkinger Lield Lore. There were a few canel keyings, but useless from too slight construction, during the eventuen, cirls to some extent were used for native soil followers

Of the doolies, that constituted by Surgeon-Major Hamilton was field print to convertible into a stretcher on the field, a very comfort it le bed in ho put it, and taking up much les place in test than those of the old pattern. As long as reads use that, no made of courage court the do be in the safety and case in which the ich and wounded are borne but in many of the expeditions during the expertition in the Khah rathe use of the do be on precipitions hill sides and mountain paths was found maper in the mul the dunds had to be used instead

Of the din h, three descriptions were in use with the force, all were of faults construction, and numbers of them old and in hid may in proved quite untrustworthy. During the month of Pebrury a few il notes known as the Joseph I ittern, come to the front, and this noister was it ones and minimum isly recognized as the mode of carriage of its kind, doole or douby, he tented for full noil I consider it should be introduced into general use in the service,—certified to the exclusion

of all the existing forms of durche

Pr the rule of the Government of Indra, the such entrange was placed under the orders of the principal method officer that we never there will indicate on sub-critical to in the 1st Division. Pe him in Itell Lorde S me col nels of re-iments and their medical officers looled on the sal currings as escuttilly regimental, and absolutely refused its use for the conveyance of the sect of other corns on in manual transcer. The such currings should be under the orders of one per on which r he b principal medical officer head of fram-port or head of commissional department. If ling there, commanding officers local commission to officers, regimental medical officers all lines control, or issue a coult I, confusion must be the result

In a country where we observed or is in the esse of the fist comparing in the Ahrber, where a probability where we observed or in the rest of the first country where a probability where we have a constructed that we of wheeled energing it with limited in once recein much at the literature of the first where there are no models or very number on one, there are le ach to between camel and male correspe, but either are faults, as not being generally applicable, its call le deith or fortue to tru t | richlar (1005 of sick or wounded to each t or largareth 1 have come to the conclusion that mayer from an higher or the neighborring countries heaver corregion in some from and to some extent must be retuned, and here the difficulty of efficients and at the same time reduced expenditure arises. If bearers are wanted for wan, they must be trimed and me ntamed during peace

Ditr Survey (eneral 9 C In live pl Veir 1 020 c humanic blivee

I am not aware that there was any actual failure in the arrangements for the transport of the sick and wounded during the operations in the

The transport of the rich and counted daming the operations in the first better the first the first better the commerce the first better the f states from Hamilto dilibels in the convex size of store and offer well. With the ran of larger the nation concling the coal, resource as went available with All helm vere did the parties of a fitting in the fitting in the size matrix. All helm vere did the parties of the fitting in the fit il mune would of all der lite with a bearg er recht nif the force Sloud the live

urlaids them in the estimate of enringe to be provided and to supplement the better-carriage of the force largely with camels. In a hilly country, imprevents the for "influence cirts, the cumel is the only animal which can be rendered, available for the conveyance (seek in large numbers but the nding mule, if furnished with a saddle of a smitable pattern, would form more easy carriage for sick or no smelled men unable to walk a small as a "small preparing a solution." The nulls world be increased on the cruel, namenals as it would early one patent, and a multicer would be increased than the cruel, namenals as it would early only one pricest, and a multicer would be not required with nostly every small, but it would be charge than the doubte or drudy with its eight or are betters, for whom food must be earned, and it would, I limit, be useful and consonance to attheir zing, multicer to the reading multicer to a free employed in a billy country in the proportion of two or three per cent of strength

Two kinds of kajawah chairs were provided for the conveyance of the sick on camels, one after the priters of Brown's redning rose clear, the other a strught am character of common pattern it seemed to not list the letter was the meat constitution, others preferred the redning clvn; but methe ownered for any long pouring. I do not thank that the best possible form of comel-chair actuact was area for my mong pointing. A on not finish the use best possible form of camel-clair has yet here devised, the claims of both prifering that were supplied were too heavy for use in a mountainous country, each part being in itself almost a load for a camel in the condition to which most of those belonging to the force have been reduced.

Surgean Major J. H. Porter late 11 Moderal Gaarge of Felt Hospital 1st Dramon, Poshawar Valley Feld Lores

The personnel as regards kahais was most unefficient, in most instances these men had never enned a doche or dandre, to which they were quite indecustomed, and from being badly fed and of indifferent physique were physically unfit for such labour. This want of physical power crused much meanwent mee to the sick by then being roughly handled and extra labor on the medical officers, who were obliged to drive them lile so many slaves | Prequently I bite seen eight and ten

men stagges use under one closic surpring a Luropean and in attempting to error in empty dools up some of the bills, it his been found increasery to lake it to peece, them unability on the part of the kalms to curry it as a whole. The mediate's a regards doolse was as good as I have seen in India, summe of their curves bottoms being completely totten. Doolee and drudles omposed the chiral training of their curves bottoms being completely totten. Doolee and drudles composed the chiral transport in 1st Duisson, Pesbawai Valley Tield loves, but during the return maich rafts, mules, tattoos, camele, elephants, covered backenes and engineer wagons formed part of the sick transport, has they were simply need for want of better, at the same time could not be considered puttifible, except in orses of emergency rash as existed on the occasion of the ret and the tought storn Afghant traits. The time has not runnived in Inch with a consider the subject of wheeled sich, trasport should be ventilated. Rulways and good rends have done away with the rece of knines which formerly existed, and in consequence I am informed it is not possible to obtain the services of such men when required

I would therefore suggest except in case of mountain waifare, that light ambulance augons be introduced or stretchers on wheels with books and amons. The stretchers might be so constructed as to be capable of liting off the wheels, and by means of four short legs would answer for cots in

tents in the same manner that dooless are now used

These whoseled stretchers could be a means of reducing expense in contaminents as in the field, as they would only require at very most three Natives to pull or pass them along the read, instead of ark lahars which obtains will each doolse. During the recent expedition in Afghranstan (1st Division, Peshawar Valley Field Force) the roads were suitable for artillery, and would therefore have been article for 1609 unbalance segme applied carrying from a filter remained position, and there or four string up, driven by homes or ballocks. It would, however be moceany to unmaint a certain proportion of either decises of shades for the conveyance of woulded from the field, or un mountum warfure, and for this I would suggest the Looshan dandy, which weighs 52 lbs , and is well adapted Various and considering the second of the pole would be pole with a second for study in protection from weather. This covering could be secured round the pole whon not in use. There to numerous forms of wheeled studies now in use in Bogland, the St Johns a mobilance wheeled hitter, for instance, in Germany, I rance, and Austria, but one would have to be specially constructed for India, to admit of its bung used as a cot on the line of match

Surgeon Mayor C Martin Army Medical Department 13th Hussars

Camel Lapawahs I do not approve of for either sick or wounded men, the motion of the beast is torture, and he stands too high for a man whose nerve has been shiden by recent or severe injury to be comferivable on, mule evolets are better. But I know of nothing so good as a doole or dandy, and those are preferable uluch have not too much from work about them, and which a mistry or doole bearer can repair with an adge or auger

Some very ragenious doolies were on tril during the late war and failed utterly on this ground that if the least thing went wrong they

could not be reparred, owing to the fittings being cast iron Wheeled carriage of course is not practicable in a mountain country

As a rule, the doolse-bearers were very bad, weakly, and not accustomed to the work

11 Will you give the Commission the advantage of your experience generally towards improving the efficiency of the Medical Department, and of reducing expendituic either in personnel or in medical stores, hospital equipment, &c , &c , both in peace and war?

Surgeon General J H Ker Innes Britis! Ved cal Depart neat and Processed Med cal Officer, British l orees in India

Although the results of experience were indubitably favorible to the advantages of the medical and hospital system practised in Algermistan, there were several most important respects in which the

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working of that so tem was very meanple's or at least expuble of mapricement. To silver! ranged under one or o her of the following heads, and they will serve a allustrations of delector

arrangement and organizat on which require to be remedied in view of aim fu un camp uga (1) Unpreprieduce - The precipit nes of mrangement, and the late die it which 6 min

ment unction was accorded to the Surgeon General sparps at and the lack of p ve ted in the head of the medical service to every out promptly and devidedly, only ever re ponsibility, such arran, ements as he deemed mee. he

(2) Inefficiency and improper distribution of transport, and in adequate control exercised and it by the principal medical officer-(3) Ah ence of proper extra profesional aid to officer of the medical service, in relevang this

of duties which wested their energies on work that illd not belong to their mid a parof the come, went of proper acu time. for the principal medical officers of divisits to relieve them of element work and other details

(1) Relative il sener of field equipment suntible for a empagn

(a) Waste of energy re-ulting from not providing medical officers with hor es-

(b) Ab once of timely warning of the medical service on the part of the military as to occ r rence about to tike place (1) As regard the preequines with which the medical arrangements had to 1 mule, and ti

tardines of the Government in giving rish one to the principle set first in the Medical price I would call attention to the even spondence that has taken place between the Givernment of India and

that office—numbers, &c. vs.follows—norse assess proceeds in the diversality of the Surgeon General. No. 016/91, irited 21th Seydender 1875, to Adjutant General. Militars Digaritant No. 78., Avited 28th Seydenber 1875, to Adjutant General. Surgeon Generals No. 02183. dated 28th Seydenber 1876, to Adjutant General. Military Dep rement No 165A, dated 1th October 1878, to Adjutine General

Surgeon-General's No CIHI dated 5th October 1575 to Adjutant General Military Department No 11th, dited 1 Mb October 1878 to Adju ant General

Military Deptriment Vo. 68th., deted std. November 1878, to burge in General
Military Department Vo. 756th., deted 8th. November 1878, to burge in General
Military Department Vo. 756th. deted 8th. November 1878, to be altitude, on. Ali. Min pil. Government emetion to the system set forth in my instructions histing only bein chigated out? Sit Neuman 1875 and in the nice time General Biologia by Brusson had taken the field. And throughout the whole of the either part of the operations the same fachness in a contrig to the most is until disabilities of the action of Government. Instead of briving excepting In which I tringed is seen at the troops were formed into brigade and dissions, operations 1 id actually economic 1 in 1 et a

terministed, I close the sentence of Government was received to some of the recommunications of the

service old con litt is and saving the cost and delay of sending them but to the in instin shirld of t (Menn Ment) II - Lormation of the Modilim depit keepet I for the recommodate of the end of Generals

Bulduly in and Stewart soften come prior to their courch to a real as for the sick and invulide retur ing from Quitti III -- I crount on if a beel of that Quetta for connection with the working of the princip

of the dirrical hapital) for the remaind treat the sick of the advancase face To - I my localitation a securi na manufor of mailleast chares on 1 less rece Although fier *

mend entite if the reserved than meshed officer jet 1000 (near the regentle of the little New other INS as any princip lace are it is mitually the little li

read of the interpret case of a traction winds who ble as a support the time Dr. Her Hagon express on half hope to the Quetta force, believed the title section to be paired to tel Bratel contra mentlene

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notwithstanding that it was proposed in the Afghan campaign to combine the office of secretary and sanitary officer in one

(4) The cantonment medical equipment was wholly multied for active service, and hence it was necessity to procure from England littled parametes for the conveyance of medical stores

(a) It is absolutely essential that all medical officers on field service should be mounted on account of their duties requiring them to proceed to distances at very possess, and it being of the utmost importance that they should not be ween out by fringes at the said of a march—as we the care for example, in the returnment of the troops from one, the first duties the care for example, in the returnment of the troops from one, the first beautiful to their expressions. always necessary and, very frequently, most needed This processor has been made in every European army

(6) As illustrative of the absence of timely warming for making the medical arrangements, I

would cite the following -

Deputy Surgeon-General Gibbons, Principal Medical Officer, 1st Division, Peshawar Valley Field Force, referring to subjects requiring rectification in future, calls attention to " the necessity for giving the principal medical officer timely notice of movements, and more especially when troops in any force are sent out on military expeditions involving any protracted absence or probable contact with the enemy. Otherwise it is impossible to make the necessary medical and surgical arrangements, and regumental resources may be subjected to a strain they were never intended to bear under the field hospital system

"A large proportion of the troops of the 1st diversor, were defined for service in the Barrar ey With the exception of an order to send danders and bearers to Barrard for service under General Tytler, I was left in ignorance of this more, received no information of the starting of composition of the force, nor was I called upon to male any medical arrangements, otherwise than what is stated above. A working section of the field hospital should have accompanied, as one did with the troops of the 2nd division, and had the medical and surgical assurees at the disposal of corps been evertaxed, I submit it would have been through no fault of the system

"With respect to all other expeditions sent out, pumirie or for recommending purposes, I make the same statement. I had no official information regarding them, and often was not aware they had

left camp until the following morning

"On notice of the affan at l'atchabad being received in camp, a section of the field hospital was in rendiness to start at a moment's notice, I failed to obtain the necessary sanction to send it out "

Dr Gibbons goes on to add, however, "that there was happly no neglect of the wounded at Tatchabad Three medical officers were on the field (the force was about 500), besides medical subordinates The wounded-some 30-were attended in the field, despatched that afternoon to Jellilahad, and arrived in good care at 6 o'clock next morning."

The position to be occupied by a field hospital, on the line of march, in camp and in action,

requires to be settled and authoritatively had down, as well as the provision of a multary escort and

guard for the same

The foregoing remarks have a speecal bearing on field service, and as regards improving the efficiency of the medical department generally, and economizing expenditure, the following summary statement embodies the principal proposals

The efficiency of the medical dipartment can be improved by—
I—Vesting the administration of the array medical service in India (British and Indian) under one head

II-Placing the mothecary class of the subsidinate medical department under one surgeongeneral, and mercasing its effective strength

III -Transferring the purveyor's department from commissariat to medical, as noted in reply to query 3
IV —Organizing the army hospital Nativo corps without any unnecessary delay, os the basis of

The difficulty of getting baserial servints under the present rates of pay is duly increasing, and compliants was greated during the life Afghen was as to the class of mee simplicif by the commeant department. The majority of them had near service in an hospital, could not male up a siel man's bed, much less muse him, and cooks were employed who had never entered a kitchen before

V—Increasing the possed bespital apprentice grade of the subordinate medical department from 60 to 75, and making a corresponding reduction in the apprentic absorble apprentice cless, so as to a not additional expense to the State. This step is very describle in consequence of the authorized numbers of the efficient grades" being much below the

Apothecury
 Ass stant apoth cury
 Fassed hosp tal apprent co

requirements of the service, and the pressure of the numerous duties in connection with the sich, together with the extra strain in times of war and cholera epidemics, being such as to seniously affect the health of the members of the subordinate medical department (see real) to question 6). This matter was

to the State, owing to the abolition of brigade hospi-

what was care bettern it makes or wer and concern quantum, using seem as to sections) useful the mention of the subordinate included elegation (see raph), to desirate (1) artificial in metter was laid before Government in Jah 1879, and a raph), it ded the 4th September 1879, states that peoding the report of the Army Commission on the question of hospital administration, the Government of India are not prepared to accide to the recommendation. VI -- It is also desirable that a slight mercase + Writer should be made to the subordinate establishment of British hospitals No expense will be thereby crused

Hospital sergeants. tal sergerats in India

(Copy of correspondence herewith)

Reduction in medical expenditure by 1—Roogeners on of the schoolshate meshed depetitions [A copy of correspondence on this subject is amound, by which in estimated evening of over Rs 2,50 000 annually can be effected, and a further evening of Rs 1 50,000 by extending the system to Native coaps. Total estimated saving Rs 4,00,000 annually

Aprendix IV (872)

n-Meliculator On the frenching of general or station he patal, it would be relimproposary to leep up a large and coals supply of surgical in truments for each corp unit in its

111-Ho print of upment. By reducing the scale from 12 to 18 per cent of sid in all he

station, as not alim the right to query 6 p -Hill dipote. These right ander two heads-

le' da , for 200 men and upu ar l< 2 d ela - for under 200 men

At production and fire chooseph and I second elec-The set of the farmer are prefere of the strength—which wave from 200 to 550, see when to available to connected in—is uniform and hough set field it it the component could be be a

at a see namental that the scale of emphis should be regulated by this department, builth it was a functed that a name of begind epupment for about 50 he aromatory to ake Re 5 000, might be efficied Government negatived this suggestion, but as igned no nesons ! eo doing

t -Cornege of medical closes on him of manh. Under existing rigulations each ago bas a do in tistore of in dual and surge if e juspeient accomparising it The holk of the best thould be lift belong for the use of the pelicaine care is in the case of hopeful component A medical committee a non-siting for the purp of uringing the details of this whome ar -Some same together with increased efficiency in the suborbands a range could be off his by ending unpoor in he patel approximation to college direct racteral of no ring there is four to

in a military 1 pital. This measure was also negatived by Government, but I am still of opines that the prop. if should be curried out In the proceeding remark. I have confined masself to simple and practical detail having a direct

bearing on the guirril in finine of the micheel's ruses a stem ent constituted, but the question under mila las i much wifer > in. The subject naturally ranges at off an ler two heads, ansemach as at day the on the method a rate

in the country to fulfill the equir ments of the rightery and earl population

I - Under the first the subject is strictly encounsecuted within the limits of an improved to more regions if rid tiry organization

II - inforther coul it need it for a consideration of the exp diener or de initiality of estat history on maps and administration and each a framework that the could all radiating serval in tale hall distinct of sold be rubred riter leperal net so that the member of the rivil in distinct

might form a recree to the multiple worlds in cises of man and strain, on his air regard of the other hand, the mainters would be equally available means extent an are to which the small

medial service mucht be subjected in time. I famine or other med I com eith refinilp intal is a mirel reappinars and aids paralle principle that the military your conversing market much exponent and and parallel process that the month of model dendill, the fact is nevert from the continued server that the two miditive to be reviews hould be for the other under a few server by blue gashing during of the oil is belief to be mid a part of the forement, as a hypers the would feel for the parallel of the two servers and the corrections of the own serving for the parallel of the oil of militage pro hall nate ile staff of the Committee Chof

In 1 state literary the relation with courter problem monularies. 1—In joint them of them I dismaind to entry precise minimum and it fould man the main restantial which is recorded to precise the role of the control of them to the state of the precise them to the state of the state L I finn (thurs of Languerent of the trains the part light will be trained by the first trai

which one public medical service has continually to outlind the other, would also be altereiber

avoided

II -If, however, it be deemed desirable (as already indicated) to zender the civil and mulitary medical services, while held distinct, nevertheless so interdependent as to be capable of mutually aiding one another in case of need at is suggested that this result might be best attained by making namen one several in the of their in suggested uses one reason magnet to their thanked by inching the languard multitury moderal services the pottal through which all conductives for the critical services also should past, and by exacting from them a short introductory qualifying period of service in connec-tion with the multity melicial service, and only would time be given for requiring the necessary in-formation regarding the return of their moderal dates in this climate and the customs and liabits of the people, but for that which is most essential in view of possible future employment on military duty, etc., a training in the habits of military discipline, which can nowhere be so surely obtained as by service in military hospitals European and Native. In this way, it is suggested that the members of the civil service would then form a reserve to the multary, or vice versi, as already pointed

Some of the foregoing views which have been here sketched in outline only, will be found set forth in somewhat greater detail in a communication (copy attached) 11 which the subject of what is rightly termed a preventive medical service, in addition to a purely curative one, is chiefly handled

The sunitary department costs in Bengal alone between eleven and twelve thousand pounds a year, and can moreover have no dates that do not legitimately belong to, and could not be quite as

well performed by, the event and multary bends of the modecal department, separately or conjointly

If sanitation was so long neglected in India, at was not in consequence of any shortcomings of the medical department or of its officers, but from the unwillingness or imbility to carry out

recommend thous involving expense
While I have no do that that the complete fusion of the multirry medical services into one, and
its separation from the earl medical service, are essential adde on the grounds of efficience, and economy, and that some of the foregoing suggestions on collateral points might be advantageously adopted, it is especially necessary at the same time to guard against being considered the advantage such an economy as would about all high or lucrative appointments, because the duties apportaining to them might he more cheaply performed under other arrangements. Every department of Government miss have its just prizes it is so be adequately immediated from without and this ere only be done by its prothered in valid being of such a character as to entitle it to courpy a desirable posttion among its other competitors

ANNEXURES TO ABOVE

No 603B, dated 18th January 1878

From-Sungrov-General J H Ker Inves, Principal Medical Officer, British Forces in India,

To-The Secretary to the Government of India, Military Department

I have the lonor to schert Government orders for the sanction of the following increase to the

establishment of British inspiration in this presidency—
establishment of British inspiration in the presidency—
in family or exvalcy, to evch described wing of infantry or cavalcy, to evch division of royal writtery, and to n End class shill depot (Pachmath), for seven months in each

year II —A head nuise (in hen of the present assistant nuise sunctioned) to each detached wing of

infratty of envolvy and to each division of 103 al artillery The clerical duties in British hospitals have considerably mereased during the past few years

(especially so since the introduction of puregors), and occupy a large portion of the time of michael officers and subordinates which imply show profitably be employed in medical and sanitary duties.

3 When the present defined (1877) of the Bengal Beliefeth Regultions was under compilation, this very important question received due consideration, and the clorical labor was somewhat lessened

There still remains, however, far more than can reasonably be expected from medical officers without the assistance of a elerk

4 At present a head names is only sanctioned for seven divisions (late brighdes) of royal artillery, the terruning divisions and detretied wings of regiments being allowed an resistant nurse. The duties in connection with the nursing of siel, women and children in large hospitals are very onerous, especially during the summer months, and have to be performed solely by the hospital nurse. I therefore consider it essentially necessary for the well being of the sick that a head nurse should be sanctioned for the hospitals mentioned in her of the assistant nurse at present employed

5 I propose to meet the extra expense which will thus he entaided on the State by the aboution of the brigide hospital sergeants. This non-commissioned officer's duties consisted in

against of the origine adoption segments. This non-commissioned outcomes during consistent in preparing the statistical returns and aports of the larged to which be bedouged, the several lateriess of the larged (shervers striange). Jurisding returns for this purpose. As the head quities of along sides of royal ratilizely two beam abobbled in Roha, the several rations and correspondence in a machine the return at the larged to the heapted dates (in connection with discipline), these can be performed by the serior hattery hospital sergeant present in a divisional hospital, who should receive an increase to his staff

6 I beg to append herewith a statement showing the effect of these recommendations in a financial point of view, from which it will be seen that I estimate a saving of Rs 4,057-10-4 annually to the Indian Covernment

7 As numero s orders have been published from time to time with regard to hospital nurses and widers, I uppend for the consideration of Government, a draft general order embodying the above recommendations, the publication of which, in supersession of all former orders on the subject. 18 solicited



For detachments of less than 200 men, an assistant nurse will be temporarily engaged, when and for as long as may be necessary

Whenever it may be necessary to procure the services of extra head nurses for attendance on special cases, such as meane women, women suffering from contagious or infectious diseases. See application will be made to the officer communding the station (through the administrative officer of the circle) for the sanction of the same in station orders

The following is the scale of pay sunctioned -

Hospital writer (soldier)
Hospital writer (soldier)
Hospital writer (soldier) Rs 10 per mensem " la ** 8 Each nurse (lead or assistant) is allowed, in addition, a pint of malt liquor daily, or one anna and six

pies in he thereof 3 When a soldier writer cannot be obtained, a Native will be employed on Rs 35 per mensem

No. 110B, dated Smla. 2nd December 1878

From-Surceov Major Jeffery A Marstov for Singeon General British Forces in India, To-The Secretary to the Government of India Military Department

In consequence of several representations having been made to this department that an acting haspital sergeant was essentially necessary for detackments of British troops I have the honor to recommend in continuation of this office letter No 603B of the 18th January last, that in the recumment in consensation of this cases setter for 0000 to the local January last, that it this case that the local distinct last properties of temporary last points being behavior, Government may be pleased to stated on a non-effective bospital suggests, on a wife fairly of No 78 per mensen for such detailment of He is the troops such detail ments after carting regulations not being entitle to one 9. The duties in connection with detailment heights are as important and numerous as those of buttery hospitals for which is non-efficient boyer—of buttery hospitals for the form of the

* Pay Code for Iedia Vol. I Article 1734 Clause tal sorgeant on a salary of Rs 7 8 per mensem is authorized * The soldier selected for this post has in addit on to maintaining discipline &c , to assist in the preparation of the numerous acturns, reports, &e , required from the medical department as no hospital writer is allowed

Under existing rules the soldier performing the duties of hospital sargeant in a detachment hospital is not entitled to may ext a allowances and it has been represented to this department that aligible soldiers are consequently deterred from accepting such a position

78 A P 15 0 0 52 8 0 52 8 0 52 8 0 * 6 G R as for 7 menths in end year Bingsu ditto d'tto Rimilhet d'tto ditto Fort Labora Dora Lin mi Khan 90 0 90 0 Fort he gra Fatchgarla Fortress Gwal or 90 90 0 90 ŏ Sauger Nowgong Moradabad **90 0** 90 ň 90 0 90 0 Ci smar Hatar hogh , Total 1410 0 0

4 I estumate that hy giving effect to this re-consensation the annual cost to the State will be Rs 1410+ which will be more than met by the sup-that will be effected by abolishing the appointment of brigade bespital sergeauts in India
5 I would add that acting hospital sergeants,
on a staff salary of Rs 10 per mensem, are sanctioned

for detached wings of cavalry and infantry, and for mixed detachments of 300 men and npwards see Pay Code for India, Vol I, Arinele 1746.

No 795B, dated Simla, 20th August 1879

Prom-Surgeon General J H Ker Innes, Principal Medical Officer, British Forces m India.

To-The Secretary to the Government of Indra, Military Department

Adverting to paragraph 9 of G G O No 764 of 1879, also shing the appointment of language hospital sergeants in India, as suggested by this department, I have the honor to request that the sunction of Government be obtained to the recommendations set forth in the communications margin-No 600B of 18th January 1878 and No 1108 of ally noted with regard to the revised scale of non-2nd becomb r 1879 effective hospital sergeants and hospital nurses for British hospitals in this command—a measure which I consider to be absolutely necessary for the well being of the sick

No 1519S C, dated Simla, 5th September 1879

From-Colonel H K Buene ob, Secretary to the Govt of India, Military Dept., To-The Surgeon General, Her Majosty's British Forces in India

With reference to your letters noted in the margin, proposing a revised scale of non effective hospital sergeruits and hospital nurses for British No. 603B dated 18th January 18°8, Ao 110B dated ° d December 18°8, No 793B dated °0th August 18°9 hospitals in the Bengul presidency, I um directed to he 1108 stated *4 December 15's, but 108 stated to the present from the 100 states 10's but 1

that uny proposals for an increase of expenditure in this direction should be held in abeyance for

No 588 , dated Simla, 3rd June 1878

From - Corp. to H. A. Brenz, c. B., Seintars to the Goat of India, Military Dipt., To-like Adjutant G. need in India

With figures to grasses correspondence on the salgest of the madual child hancet repard for Her Vincto, Bretish for a "rung in India 1 am not require that Her Vankang it Cromul ; in the "gray ha med to this, into one derition the number of smelled diverse to be returned in India, on the sayer stress that no change will be made in the present system of regimes alhoracticle.

2 Is The Pro-lieury is name, the present e tablehment excluding the admin traine god i, consists of 37d aftern. The street annually, it is understood, distributed as follow.

4151] 3				e me-cc
50 agument, mfuntre				150
o n engh				27
13 bagades, rotal atallers		***		14
la lattenes, roral horse ar	fillery			15
43 Real mullery	***		***	13
Staff officers, Bengal			***	72
Madras	***			26
27 Bombay	***		144	27
		Total		373

The number allotted to the writters wined from the above, owing to the orders contained in G. G. O. No. 12A of 1861, that when there is two brittenes at the head quarters of a brigade, one we tast aware a mode the head of appears about the state.

curge a, under the larged engeon should rather.

3. In complement is thus divided into two parts—first, the cetal ladment of copy and latters, recould a arter, temperath poet to various dutes, but engroud to be enable for filling events, what is, for a phrong offices on such or present know, and for supplementing the method erebb linear in each of congruence.

4 for many, therefore that no change need be made in the regimental establishments its immediate que ton for consideration is whether the reserves is sufficient to meet the about olyat, or which it is received.

5 Silara the Government of India are move, this receive was found anothe in 1869 and that date two reminents of carrier, to of infinite, three bargains of utilities, and five better ray if her extitible, have been closed with the reminent of sample others on the reserve had.

d. As remoded whose, the one-time will be considered for the secondaria that in clause are to make it in make it is required to the blanch, but this V collines in General would be glid of the Conmond run Chief equired so to whicher, bothing it the comparative stronglid? In guarants of which and in first, the moderal officers whealth not suffer for the former. When there is provide provide provides a challenging the provider of which hands is both the confidence of the superior to the challenging the strongline of the superior which is set in the supposition of a low rules used to each energy.

7 The following then would be the fixed establishment -

**				
9 regiments enviles	***	***	410	27
50 mfatre		***		118
15 Inttenes hore artillers				15
43 है कि नत्तिशिक्ष				13
2 mountum artill ry	***			ũ
7 der 6ts, Bengul				7
S " Modra				.1
5 " Bembij				Б
Secret mes to surgeon-gene	ral	•••	***	}
Stat. ' cal officer, Bengal				1
		W. e	,	0.0

10 In connection with this subject, I am to beg that His Excellency's attention may be invited to the greatly increased cost of the Butish Medical Service in India of his years, which rendors it imper tively accessory to make any reduction that may be practicable without impuring the

dilectory of third service, or cadragering the well being of the troops, both in health and in suchness. In the establishment of 375 officers given in the Bod pringraph of this letter, consisted for merly of 91 suggests and 828 seastfast surgicious. Sub-equantly, in 1573, when the mink of seastfast surgicious. merty of a suggestion and what a resonant suggestion of sensor to puntor ranks was given to the medical ser-vice, the complement of ranks in India, was altered to 163 suggests major and 210 suggests at an increased cost to India estimated at £48,000 per annum

In 1876 a further change was made in the system of promotion, all surgeons being promoted to surgeons major effect 13 years services, agrun, with the immediate result, as fair as India vas concern-ed, of an increased classified of 250,000 per answar. There has their been within three years an adda-tion of 275,000 per manua to the monitary modesel charges of the country, without the addition of a single officer to, and apparently without in any way mercasing the officiency of, the British Medical

Service in India

12 This point is not one on which the Government of India propose to take any action at present beyond urging on the Secretary of State that the proportion of the senior to the junior ranks shall not be higher in India than on the home estimates, but it is now brought to the notice of the sum that the largest at the Excellency may be aware this, indeed mentally of the expediency of not commander in Carlet that His Excellency may be aware this, independently of the expediency of not increasing any expenditure that can possibly be awarded or relianced, the Gorenno-Cemer's in Council is surmous to that cuty steps to charve the financies of first from a postion at least of the heavy fur-don, which the late changes in the argumentation of the British Medical Department have thrown upon

His Excellency in Council is confident that he can rely on the cordial co operation of Sir Frederick Haines in attaining this object without, it is hoped, in any degree impairing the efficiency of the service.

No 1048C, dated Sunla, 10th July 1878

From-Suno Gent J H Ker Innes, Principal Medical Officer, British Porces in India, To-The Adjutant-General in India

I have the honor to offer the following 1 emarks with reference to the proposal made by Govern-* Mil 1277 Department No 688 of U = 2rd Two 1278 Ment* to reduce the establishment of executive medi-cented with Adjutant General's No. 2270B of the cal officers, in so far as it affects the Bengal com-12tl ultimo mand

In 1873 the question was carefully considered by the late Surgeon-General G S Bestson, and in consequence of the many changes which had up to that period taken place with regard to the strength and disportion of the toxops it was recommended, and finally approved toth by the Indian Government and Drostel-General (fin & new Medical Department, that the strength of the occurring motion) of the presidency should be fixed at 250. This number was based on the following scale -

32 regiments of infantry at 3	***	444		96
6 regiments of cavalry at 3		***	**	18
83 batteries of horse and field artillery		***	***	33
2 batteries of mountain artillery		**		2
7 head quarters brigades of royal artil	lery	444	***	7
Secretary to surgeon general	***	***	***	1
Statastical officer	***	***	***	_1
Reservo	***	***	444	72
			-	
		Market 1		በያወ

The reserve of 72 was intended to meet the requirements of-

administrative charges of two circles." * G G O. No 351 of 1868 hill depôts,

detached wings a few garrison britteries, permanent detachments,

absentees on Icave, and muscellaneous duties

2 Since the above strength was smelsoned, the only decrease that has taken place in the troops has been the abolition of the so eral head quarters of brigades of royal autility. This reduction, under ordinary circumstances, would have admitted of the services of seven medical officers being dispensed with, but in consequence of certain changes that have taken place since 1873—such as increasing the number of troops in small detachments in the bills, trunsfer of the 41st Company of Royal Engineers from the Indian to the British medical service, &c -it has not been found practicable in the interests of the service to reduce the strength of medical officers below that of 228 (see paragraph 5)

3 Since 1869, one regiment of cavalry, one regiment of infinity, and two batteries of horse and field artiller; have been withdrawn from the command, and had it not been for the formation of two batteries of mountain artillers and rest-camp hospitals, the location of a number of men in small denotes the final artiery and recommend programs, because of processor in the first artiery control of the first production of the fleptile, further reduction in the strength of medical officers would no doubt have been practicable. The changes which have halos placed in the strength of medical officers would no doubt have been practicable. The changes which have halos placed in the strength of the changes in the strength of the medical production of the programmatic product in the strength of the strengt for a redistribution of medical officers, so as to meet the wants of the various cucumstances in the com-

mand, would have been imperatively called for.

Government have desire, while learning the existing regularital system undisturbed, to reduce the military medical expectation by michage a fresh allotteneds of medical effects, to follows—

2 Regiment of cavalry Regiment of infantry 3

Buttern of her field er men at in artillers		1
Hold yet	-	i
freque goog and not not not		. 1
S it tu lofie r		1
1 era f r lease		20 per out

He reafer mealthness date

As regard the proton for infratry regiment, butters of horse fill and mountum artill equivers for the readout and destroy of difference remarks an entitled for, but each of the remains of t

trem will r quire to be separately considered

If Crif — I be the present system too medical officer would not be sufficient. With A the cherge is of non-commisse used of fiver and men is far felow, that of an infinite proport is medical distinct on an relative time reduces, in case generor of the large. Active cell that is most [49] or of the record of the large reduced by the reduced by the results of the large reduced by the reduced by

Assessed the one the amount of the property of the content of the one of the

of in sight ruleness ruces and two moderal efficers must be usualled.

If Infilter—I would only remark that the services of three moderal officers are or utualle

neer are under the present system

III Latter of payl until y—It wal solutely necessary to attach a medial offers to genes. It then a found to complete In facts or an attack court from du rooms of not attill r. It of It is a up the thin to this generous distribution, and to each of them a medical officer on it and the provided form the scale, or the reservement is increased so as to meet the requirement of this server.—

Delta Total.

Age Fort
Gulter Fort
Gulter Fort
Gound, her Fort
Gound, her Fort
Litoropore Fort
Attool Firt
Cleuti, Fort William
Directing

Depending

If Idil De 'te—The Government proposal as to allow one medical officer to each depth, and
to attach as vial during the summer months for an initial of each in in the distribution vial during the summer months for an initial of each in in the distribution of the transfer pretively bed printed of an in in the distribution of the transfer in the deliberation of the transfer in the distribution of the distribution of the distribution of the distribution in the distribution of the distribution o

(879)

[Appendix IV

230

officers | The services of these me her! officers would be available for the charge of detachments proceeding from station to station, in relief or otherwise, during the winter months

The total number therefore required to curry out the muscellaneous duties may be estimated at 25 (equal to about 1f per cent), but as the charges some of the temporary detachments can be given to the regimental staff 10 per cent would be sufficient

Reviewing the above the following establishment is necessary for the several charges -6 Regiments of envilve at 3

32 Regiments of infantry at 3 96 11 Batteries of rotal horse artillery 22 Batteries of field artillery 13 22 2 Batteries of mountain artillery 0 9 Detacked bottomes of garrison artillery 9 1 Company of royal engineers 6 First class hill depôts at 2 1 12 1 Second class hill depot Secretary to surgeon general ī Statistical officer to ditto * Pres dency and Gwalter Chroles Superintending surgeons major* 2

133-Total 176 Reserve for leave at 20 per cent 25 for mescellaneous duties at 10 per cent Giand Total Dectease 2

Present sanctioned establishment + Effected through two surgeons major of over 20 years service now attached to days or so a royal axidlery This decrease of two medical officers will effect a saving of about £2 500 per annum f

6 But the maximum number of medical officers 11 Bongal at any one time has not exceeded 222, or 8 under the established strength and 6 under the number that I have estamated should be allowed To a decrease has not ever, proveded a number of medical officers from obtaining leave, at the cost probably of loss of health and physical efficiency. From a detailed report proposed by Dr decChamant Profes or of Multi-Villagene in the Army Mohalla School at Neeler I ind that the sources are used of the proposed of the profession of the proposed of the profession of th 1,000 against 15 per 1,000 of combateut officers-a relation which has even been pronounced by other specially a part of the second necessary to the muntenance of health and is therefore to be regarded as an economical procautionary measure for the State

7 I would submit that if economy in the military medical expenditure is to be effected with a due regard to efficiency, it will be best achieved in another direction, or , by a reorganization and development of the subordinate medical department, and by delegating to the mombers of that department many of the minor charges now held by medical officers. That experienced and properly term durant method officers can offit early perform a sub duties is evident from the fact that Jourt 40 ms at present in moderal change of early stations and districts where there if it is an everywhyse responsible as those appear tuning to small delachancies of Bitak fromps. The services of three warrant medical officers could be utilized (under the supervision of a commissioned medical officer)

in the following manner —
Change of Native sick in envilsy corps

detached grunson briteries 11

certain detachments permanent and temporary 12 royal engineers

11 test camps

Doing duty with regiments of infinity in hen of the third medical offeer

Were such a system into liced the number of medical officers could be reduced to 173, # 6 Regiments of earthy at 2 19 32 Regiments of infantry at 2 64 11 Batteries of royal I orse art llery 11 22 Britter es of field art llery 22 2 B tteres of mountain artillery 9 6 Fust class depôts at 2 13 1 Second class depot Secretary to sugeon general 1 Statistical officer Superintending surgeous major 2 1111-Total 128 Reserve for leave 20 per cent 23 for miscellaneous daties 25

Total 178 Decrease 56 Grand Total 229 The mercare after the first year to be withheld in the event of the subordinate failing to pass if a examination laid down in G G O No 555 of 1871

10 Instead of the present insufficient allowance * I rat 12210 I blanket a beg of st a I sheet manulh I blacket to credly of bedding," each apprentice on joining the server 1 settmagee should be furnished with the following articles as 1 suffix ages frequently 2 sheets

2

1

English Ulrinkets Sheets Suttringee Mattress Pillow

and afternaids-

1 sheet annually 1 blanket transmilly

1 suttinged trenmally A set of two punkah cooles should be allowed free of cost to such apprentices as may be

employed in a hospital

12 Puel at the present seeds should also be allowed to approutices whenever it is read to the troops, whether in the hills or on the plans. An apprentice serving at a hill station already recent fuel, but none when serving on the plums, although in many of the stations (notably in the Pumph) the wanter is severe

13 Unjoin — Appendices we at present allowed one suit of wanter and two suns of memor delating yearly the letter should be muce; ed to these sunts per annum.

14 The less of my to appendices when not sent to college after a service of two presumes should be greatered and it was clearly contemplated under pragraph 43 of G G O No Set 1885 that appendices should enter the medical college after such period. It was nevertheless of onimon that it would on all accounts be preferable that lads on joining the service should prosed at once to college but as Government have negatived my proposal to this effect it only remus for me to suggest that the time spent at a military hospital unteredent to college be curtaint to one year, which should amply suffice to determine whichier an apprentice is likely to prove efficie to one yet, a little should wmply suiffice to determine whether an apprentice is hield to prove effect or not At the end of an amounts in a mointain college, where the training should be a gratical as possible, and designed to fulfil the special requirements of a medical substantial time entered the ment often being recomply claimed and physicisected in deviately, be should be request by years a test externation to a determine whether he in the best muty dispersi, if not, he should be dismass? Were this rule stopicts, the age of last on young might be twist with advantage from 10 to 13 years, intacted of 15 to 18 years, the present range .

15. The loss of our-fauth of the pay and all allow most while absent on account of all leafly contacted while one service in the payment of the payment

contracted while on service in India is inquestionably a great handship, and besides being imposse it is regarded as neither equilable nor just that a subordinate should be, in offect, jumished for haring the misfortune to confinct disease m and by the service. Were this corrected, no additional expento the State used accrue but the period of sick levic should be limited to six months, thus garding against these. In 1875 a petition from several members of the subordinate medical department as submitted I officerating Surgeon General Criwford but on a report invarished by the Controller & Military Accounts, the appeal I regret to say, was negatived. In this report the Controller made comparison of the loss sust much by warrant officers of other departments as compared with that wa the medical, from which it will be seen that, while the former lose about one fitth of the stated pur allowances, the latter forfest exclusive of quarters one fourth or an average of one-third of the total receipts. The discussion of Covernment was probably influenced by the fact thus the Controller considered quarters to be a free gult to medical subordanates whereas they form part of their aller ance It would be only just that medical subordinates should be able to claim compensation for on the

while about on well know a label.

10 Suck lerve being attended with a loss of pray methed subordinates are presented from talling themselves of it when less and relavation are absolutely necess ry, for in the hills the odd plant. to sinch invalids can columnity resent with benefit, the cost of hing use high as to pet set, lent the reduced psy beyond their reduced. They consequently remain medicentify performing that white which becomes so include the one of necessited full neight to Lurope, thereby coursing sugmented spectrum and an uninconvent, terms on the MA AAA Description.

and an unnecessity strim on the M die il Department

17 The following trible shows the loss of pry of the marrint officers of other departments of compared with those of the medical while on suck leave in India !--

Offer Departments

			The state of the s
Grapes	Told pro and allowances	Total los ulule in lerre	Propo dionate los
Depais Commissirs Assistant Commissirs Lepath Assistant Commissiry Conductor Sub Conductor	Rs 500 375 300 160 125	Rs 166 7, 60 30 22.8	Equal to about one file

Subord nate Medical Department

	Амо	INT OF S	LANT	Loss v	HILE OF	LEITE			
Gradhe	Pay	Quarters or ats	Total	Pay	Quarters on its	Total	Propositionate loss		
Semo apothecary Apothecary, 1st class 2nd ,, Assistant apothecary, 1st c	Rs 400 200 150 100 70	Rs 50 30 30 20 20	Rs 450 230 180 120 95	Rs 100 50 37 8 25 17 8	Bs 50 30 30 20 20	Rs 150 80 67 8 40 87 8	Equal to about one-		

From the above it is apparent that warrant officers of the Medical Department forfeit on an average one third of their pay and altowances, while those of other departments low one fifth only. This wide disparity is unjust to medical subordinates, and is doubtless one of the causes of the impopulanty of the service

With regard to the small proportion of first class warrant officers as compared with other 18 departments the members of the subordinate medical * Sen or apothecaries department would seem to have just grounds for com-

plaint, as may be gleaned from the following table -

Departments	No	Numer of					
	Prest class weepst offer	Second elver writtent officers	1ST TO 2ND CLASS				
Public Works	9	35	25 71				
Ordnance	9	61	11 75				
Commissatiat	7	55	19.72				
Miscellaneous	4	19	21 05				
Subordinate medical	8	103	4 14				

The grades of honorary surgeon and surgeon major cannot, under present rules, be conferred on warrant officers of the Medical Department in regimental coupley, and as this promotion when it is consolidated, with 10 members in each class To the guide thus created might be delegated some of the duties now performed by junior medical officers in regiments of Laropean infantily and cavalry †

t One to each eceps

Senior apothecauses should rank with deputy assistant commissance, with the relative rank of sub-houtenant

19 The low rate of pensions of sensor apothecaries and honorary surgeons and surgeons major, ‡ Deputy commissary nt community Deputy ass stant com n sany

as compared with first class warrant officers ; of other departments, requires to be specially considered, and I am of opinion that it would be found advantageous to

place the first class warrant officers of all departments on one footing. The following table shows the disadvantages of the subordinate medical department in this respect, especially when considered in connection with the enhanced rank of the latter -

GEADES	Total pay and allow ance	Annted relating pension	Anneal in Eng		barrow	Anand urdows pension	Relative base
Other Departments Deputy Commissary Assistant Commissary Deputy Assistant Commissary	Rs 500 375 300	£ 180 120	£ 130 120 90	£ 210 175 140	£ 100 70 50	£ 36 39 26	Captain Licentenant
Subordinate Medical Department Honorary Surgeon-Major Honorary Surgeon Senior Apothecasy	350 rising § to 700 400	150 150 100	120 120 80	175 175 150	70 70 50	30 30 26	Major and Lecuten- ant Colonel Lecut and Captain

It will be seen from the above that a semon apothermy, while receiving in India an excess of Rs 100 a month as pay over a disputy reasting community, oftimes CO a year less invalid percent in Lunone, and the pressure of lone up a suggeon and surgeon may a des compare very instruction with those of deputy community. It would therefore seem but far that the peasons of beauty surgeons mayor at out the community. It would therefore seem but far that the peasons debenery surgeons mayor at out the casemainted with those of deput, community may surgeous with these surgons myor al oil be assumbted with those of deput, commences, honous surgeous with the of deputy assistant commences. The ruling continued in attale 2426 of the Pry Code for India, Vol. I, should be cancelled, and wenst medical officers should be allowed by persons of their grade, rulespectra of the length of series the party rules are in the grade. The restriction continued in the order of the length of series the applicable to any last sector's warnel officers.

20. I have already selected to the descending to which moderal subordantics are subperior with the continued of the continued of

at a rest camp, and, nuless allowed lying down accommodation while travelling by ruling at night, they must be unlitted for the proper performance of these at the conclusion of each journey therefore re ammended that mether! subordantes he provided with hing down accommodation when

triviling on daty with troops by suf-triviling on daty with troops by suf-21. Methed subsolutiles with the exception of supersed hospital apprentices are allowed free convergence for one sevant only visual triviling on, duty by value,. The supports being sound men find it extremely difficult to provide for the comfort of their fundles with only a single servent in attendance. In 1876 it was recommended by this department that married warrant officers should be allowed presigns for two sorrants, a number that earnot be deemed excessive
2.2 The allowances sunctioned in him of quarters and tents should be included in the pay of all

medical subordimites, equivalent deductions being made when accommodation is provided. This em cosmon would protectly amoles but hitle expense, seeing that it would only benefit the very few on leave but it would ismove a source of frequent complaint and in invidious distinction. While on the imo of match, warrant medical officers should each be furnished with a necessary test fit majority of them being mairied men renders such a provision essential The necessary tent can be

entited with the staff tent farmshed no extra entange will be necessary
23 In view of reducing the number of commissioned medical officers, and delegating to the abo division of believing two among we commissioned instantion in the former, it is thought expected to individue a new grade above that of sensor protheorry, I have may be skyled 'staff mother,' the histories of which would be eligible for the medical charge of detachments of British toward the sensor protheorry.

stations only where a European motions officer may be permanently located, to whom they should be subsciented and under whose supervision and direction their professional duties should be curred as 2.1 The grand of staff upocheavy should consider of 1.2 members of rade under the observations and and second—helf in each. The first class should talk with deputy commissiones, with the relationship. of optim, and the second felts with resistant commissions, with the relative rink of being and of optim and the second felts with resistant commissions, and that of the second felts of the felt of the felts of the second felts

per mercuan war personals extending to learn successful to the personal of a present and personal or a part with other form in partners in 25. The relative rank is murally accommended with the object of columning 40 artist of personal resonances of the personances of the pers

[As collete al, but street], pertinent, to the object, it should be noted that if this recom mendation to appoint staff a others ies to the medical charge of small detachments of British troops whi tover why this should not be done, for the charges held by the commissioned method officers are in precise of 1 q ran normal elevative in its presumed that a wring at our joint commensation function down and will be effected in solid at a to that shown in Appanha. II If watern not call offices no competent to help a property of the control of

to make about ten promotions annually in the grades of sensor and staff apolinearies, so that in any sense the grade will be made up to its full strength. A corresponding reduction in the number of the state of th mather) officers could be carried out in communication with the Director General of the Arm Males Diputinent It is believed, too, that in this manner is a mable reserve may be formed captible in perio is of severe frame or epidemic visitation and in time of war, of affording that support to the

active medical staff which is now so essentially needed

28 The test (entrance) extraoration of condidates for the subordante medical department might be confined by the educational department after physical fitness of the candidate for the

scruee had been didy ecrifical

2.) The attestation of candidates was I behave, introduced in 1802. It is strongly of eld to be them at forms no larmer to the resignation whenever they are so melined, and expensive it

to it tiem at forms to furner to their resignation advanced they are so unclined, and experience if many down findle the endeavour to red urn up are mine an interesting and it will. On Realized in all unappartite who is a successfully possed through a course of collegate training down the adjust himself to date rend possed. After them may, that the first, when they could be the proceed with a first through the process of t

A squared sum as field or tracking illowing mem, high the integer ish be given to price that the integer ish be given to price the tracking the manufacture of the contraction of the co host if a return the employed of feld extree or roused a from one station to matter the late a left me such allowances as much fell during the late Afgirm war. A most, of the

sulta i luo n errelte landour turrer n e i n urb non au -

It is proposed to reduce the present number of medical officers with regiments of European envelop by one, and to transfer the medical charge of the Nature establishment to a senior apothecary, the latter reserving an allowance of its 30 per measure for the extra duty performed. This charge is one third that now drawn as for go by the third medical offices.

33 A buef resume of the recommendations may by given thus -

1st -To yest the administration of the subordurate medical department in the hands of one a 2)

to the cavil department as a rule to be of a permanent nature (para 3) Sid -Increase of pay to unpresed hospital apprentices (paras 6 to 9).

4% -An improved scale of hedding to the same (para 10)

5th —Allow race of punk in content to disk (para 11)
6th —Allow race of fuel to all hospital apparatices whenever issued to troops (para 12)
7th —A revised could obtain for all hospital apparatices (para 13)

8th - the arrangements to ensure apprentates joining the Medical College at a much earlier period than at present (para 14) 9th —The number of first class warrant officers (senior apothecames) to be increased to 38 on a

reduced rate of pay (para 18) 10th - The pensions of source apothecarus and honorary surgeons and surgeons-major to be

assimilated to that of first class w mant officers of other departments (para 19)

11th -Improved recommedation to medical subordinates when travelling on duty in troop special tions (para "Ò)

12/4 -Murred nurant medical officers to have a free passage for two servants when travelling on duty by rulway (pare 21)

13th -The pay of the subordinate medical department to be consolidated and to include houserent, deduction for the same heavy made whenever provided with quanters (para 22)

14tl —Consolidated pay to be allowed for a limited period to medical subordinates while on sick

leave in India (pares 15 to 17)

15t/ - A superior grade of staff apothecary eligible for employment on duties which have bitherto been assigned to junior medical officers to be introduced (paras 23 to 27)

16th —The entrance examination of candidates to be conducted by the educational department

17th -The abolition of present form of ritestration (para 29) 18th-Bool s and upparatus while apparatuces are in college to be supplied by the State (para 30)

10/3—An field of travelling allowence to presed hospital uppentions (see as 31) 20/3—An allowance of Re 30 per moment to the sourt spotherup of Direction overlay regiments for the segmentatedness of Newly cet this imment to (page 32).

Appended as a trianched whole showing—

I—Present and proposed solvers for the subsdirecte medical department

II—Effect of the recommendations set for the subsdirecte medical department III -lable showing the net salary paid monthly to medical suboidmates on the present and proposed schemes

APPENDIX I

Statement showing the Present and Proposed Raics of Monthly Pay of the several Grades of the Subordinate Medical Depail test

		Present Par					Proposi	D PAT	
		Pay	Rat ons	Quarters	Total	Раодтения па стбо	Convoledated	Progressive merens	Remines
Unpassed Hospital Appentice In College Passed Hospital Appentic	1st year 2nd " { lst " 2nd " 3nd " 3nd " e	Rs 16 20 20 25 30 50	Rs 10 10 10 10 10	Rs 71 71 71 71 71 12	Rs 351 371 371 42, 174 72	4 5	Rs 40* 40* 50+ 50+ 70†	Rs 5 5 5 5 15	* House rook to duced from Rs 7 S to Rs v † House root re direct from Rs 12 to Rs 10
Assistant Apothecary . Apothecary . Senior Apothecary	{ 2nd class lst ,, 2nd ,, lst ,, 2nd ,,	7a 100 130 200 400		20 20 30 30 50	120 180 230 450	23 25 60 50 200 {	90‡ 11ɔ‡ 170§ 220§ 800¶	25 55 50 80	House rent reduced from Rs 20 to Rs 15 House rent reduced from Rs 30 to Rs 20 House rest reduced from Ps duced from Ps
Staff Apothecary	(lst ,,) { ^{2nd} ,, {lst ,,				grade grade	l	100 100 250	50 50 100	∫ 50 to Rs 2υ

Notes -1 Passed and unpassed bospital apprentices may, on payment of Rs 10 per mensem, be provided with a hospital full diet

- Staff spotheonry

 Debattons on second of inferior quarters seconding to existing rigidations of President power resistant of the residency house resistant of the residency house resistant of case* (Bagd Barreel, Regulations purgraph 17st), passed and unpresed hospital apprentices recenting a proportion title increased with present of the proportion of the properties of

5 As sense and staff motheremes will be employed in executive duties they will not be required to live in the heaptful he other sibo directs
6 Staff or employed, and solid or manching allow moces according to existing regulations.

APPENDIX II

Statement shows g the Cost of the 8 bords are Medical Department under the Present and

Proposed S/st	Lnts	_							
Present Establishment with rediffications suggested in Letter No 2 of 24th April 1879	Rs	A.	P	Rs	А.	P		Re	A P
90 Unpossed Hospital Apprentices						١			
Pay of 18 first year, et Rs 16 per mensem " 18 second year at Rs 20 per mensem " 18 intry for College, et Rs 20 per mensem " 18 intry for College, et Rs 20 per mensem " 18 the year, College at Rs 20 per mensem Rs 18 tout, et Rs 27 per mensem Hs 18 tout, et Rs 37 per mensem Rs 18 tout, et Rs 37 per mensem Rs 18 tout, et Rs 37 per mensem Rs 18 tout, et Rs 37 per mensem	288 360 300 450 540 675 900 180	0 0 0 0 0 0	0 0 0 0 0 0	8,758	0	0			
75 Passel Hormial Apprentices			n			ĺ			
Pay, at Rs 10 per mensem He 12 rent, at Us 12 per mensem Rations, at Rs 10 per mensem Redding and clothing at Rs 2 per mensem	3,750 900 750 150	0 0 0	0 0 0	5,550	0				
126 Assistant Az othecarics	-			9,000	۰				
Pry of 76 first class at Rs 100 per mensem , 50 eccol class at Rs 75 per mensem House rent, at Rs 20 per mensem	7 600 3 7°0 2,520	0	0 0	13,870	0	0			
67 Apothecaries				20,000	·	1			
Pay of 37 fret class at Rs 200 per mensem , 30 second class, at Rs 150 per mensem House rent, at Rs 50 per mensem	7,400 1,500 2 010	0	0	13,910	0	0			
8 Se nor Apothecaries	ĺ			, , , ,					
Pay at Rs 400 per mensem House rent at Rs 50 per mensem	3 200 400		0	3 000	0	0		658	ß
All— SI copies of Islam Medical Garette, at Rs 14 each		านาไ	Lγ	pend ture	,	_	4.8%		00
		Gĸ	I\D	Total			4 59,	1,0	0
* is an of theory as subcordule	ur	-		*********		_!	==		

The product of the state of the constant of the product of the pro

Statement showing the Cost of the Subordinate Medical Department under the Present and Proposed Systems-continued

	NOTICE OF THE PARTY.	_				_			-0
	Rs	A	P	Re	A I	P	Rs A	ı I	
PROPOSED ESTABLISHMENT						l			
90 Unpassed Hospital Apprentices									
Pay of 18 first year, at Re 35 per mensem "B second year at Re 40 per mensem "B first year, College, at Re 40 per mensem "B second year, College, at Re 50 per mensem 18 thurd year, College, at Re 50 per mensem Bedding and clothing, at Re 5 per mensem	630 720 810 900 990 180	0 0 0 0 0	0 0 0 0 0	4,230		0			
75 Passed Hospital Apprentices				9900	U	Ĭ			
Pay, at Rs 70 per mensem. Beddung and clothing, at Rs 2 per mensem	5,250 150	0	0	5,400	٥	0			
126 Annetant Apathecarres		-		0,200	Ü	Ĭ			
Pay of 76 first class, at Rs 115 per mensum , 50 second class, at Rs 90 per mensem	8,740 4 500	0	0	13,240	0	0			
75 Apothecarres				.,					
Pay of 87 first class, at Rs 220 per measem , 38 second , , 170 ,	8,140 0,460	0	0	14 600	0	0			
38 Seutor Apoéhecaries									
Pay of 19 first class, at Rs 350 per measem ,, 19 second ,, ,, 300 ,,	6,650 5,700	0	0	12,350	0	0			
12 Staff Apothecaries				,					
Pay of 6 first class, at Rs 500 per mensem ,, 6 second ,, 400 ,,	8,000 2 400	0	0	5 400	0	0	55,220	0	0
V .			٠,					_	_
Add—	mual E:	zpe	i di Ç	ure			6,62,640	0	0
Estimated cost of punish pullers for hospital appre matching allowance to passed h	ospital	api	ren	iees		-4	1,500 500	0	0
Medical charge allowance of Active establishmen Rs 30 per mensem each = Rs 180 per mense	m						2,160	0	0
Estimated cost of extra bedding and clothing, and 13 of the letter					pus	,	400	0	0
Februated cost of first to hospital apprentices at sta Estimated cost of books and apparatus for apprenti							200 800	0	0
Grand Total Av	mual E	zpe	ıdıt	110			8,68,200	0	0
4 TOURD 1	om.	-	,						
ABSTRA	OI.						$\mathbb{R}s$		
Cost of present establishment Probable camp by the reduction of 50 medics	al offices	r _b				4	89 156 ,38,000		
Saving of forage allowance of 1 surgeon m cavalry	ajor n	1 82	ch :	reg meni	of		6,480		
		9	otal				,33,036		
Probable cost of proposed establishment Increase to office establishment	pa.			6,6S	,200 ,400				

Estimated Annual Saying Note—There will also be a considerable saving effected annually in the clarge of passages of medical officers to and from England which it is behaved, will meet the calculed rates of pensions recommended

6,70,600

2,63,336

APPENDIX III

Statement abovery the not each payable non this to each grade as the Subordinate Michael Department on the present and prepared rates of pay, after debut a comparation for rations in the case of Hapital Apprentices and house-rest in the case of all Mohael Subadianates, beaver and Stoff Apatromat excepted, a leverit and be reparted to line in the hopital

		Thesevi	RATES	PROPOSED RATE		
GRADES		Net monthly solary	Progressive metease	Nei mor fills salary	Progressing increase	
		Rs	Rs	Rs	Rs	
ſ	lstyear	16		20		
	2nd n	20	4.	25	5	
Unpa≪ed Hospital	(lst n	20		30	ه	
In College	2nd "	25	5	35	5	
	3rd "	80	5	10	5	
Passed Hospital Apprentice		50	20	50	10	
to the total	2nd class	73	25	75	25	
Assistant Apothecary	{lst "	100	25	100	25	
(D	{ 2nd ,,	150	50	150	50	
Apothecuy	(1st "	200	50	200	50	
S 1	(2nd " .	} 400	200 {	300+	100	
Sonior Apothecary	(1st "	300	200 {	3,0*	50	
Park Amellows	(2nd "	Nen	brade .,	400 ³	50	
Sinff Apotheoury	(1st "	29	,, .	500*	100	

Singer Creent J. F. Bertros M.D. Is line Vederal Department The Bengril medical service is maintained by percedual accessions of stength determined twice annuality in Jinary; and July, but which whiting from the revision recy carefully made in communication will the Hunner Dipartiment of the Government of India in 1870, invertibly correspond other within a productional content and understoring the

ones, or with a sensore resulting from the acres of thereway, relationated contect, and in contrast of the con

inude of a setonic surgous and nationarizated postitionis. The measure had to be very life crimed out in order to fine the necessary moderal staff on the other service in Afghanism. In the a viru critic system, committee deel, and much dislatery and writer faul of risk, to the demand of datases. It does not full wather the copie of my day to communition the grow stoll of the compaction in the staff in India, but I can necestbeless clear in one point, that the Indian medical service in Better the roat or eofficer to many.

At it the energy political parameters of the free the fine the first the fine the first the fine of the energy political parameters of the energy political

As soon as the matter was thus brought under reference, the Government of India ordered that for the future none but a regimental officer was to be appointed to a staff charge, but whether the instruction is obeyed in the sparit as well as the letter, I am not in a position to say with certainty.

Very considerable reduction of expenditions would directly result from a measure which I consider

ruly communication contenum in expensions wouse of some from a finestime field it forestime to be perfectly operation by underdock called for, mandy, to yet every Butter market officer who was not in India or in the service in November 1884 on unemployed pry during all general large as non-indicated in the case of a terry effect of the Indian method service where commission herrs date to not not not officer than the continuous of the service where the property of the service where the service subsequent to that of the desprich of the Right Honorable the Secretary of State for India, No. 310 subsequent to that of the despited of the sugger knowledge of Th Nevender 1964, principle 25, and multiplead in G G O No. 1900 of 23d December following. Similarly, a medical effect of the Indian source, if appointed after 1864, diving before the 1864 to 1864, and the 1864 to 1864 to 1865, and the 1864 to 1865 to 186 etell, on leave

I think it is difficult to imagine a principle more radically wrong than that which gives a medical officer full pay on general leave at any rate, without restriction of the amount of the latter and I feel pretty confident that G O C C before and after June 1864 would furnish emions crudence of the close connection that exists between full pay and mercesed applications for large

In the combatant rands, an officer mirrorably drops bull staff, and I full to see any good reason why the medical service should not also, during absence, be put on unemployed pay pl s half staff equal to a morety of the difference between the consolidated salary and unemployed pry is laid down an G G O of 1867

Absentences would coare to account for 25 per cent, and the establishment right leverfier be pared

down to a corresponder g extent

The subordinate medical department in all its branches is chapped of one fourth of their pay i hen on leave, and with these two illustrations in support of the principle I cannot conceive any substantial reason for longer during exceptionally with the officers of the British medical department, who entered the service since 1864, in fact, all who were not in India at the time when the concession was originally made

Medical Stoics — Hitherto there has been a scale in force in the Native army hospitals, but, as it

had nothing more than departmental anthonty the accounts branch could not exert any effective non-noteming more than deprivationed analysis decreases structure could not easy any termina-tedies by onforming compliance with the suggested quantities. I am however, mapaged at this moment in framing a scale for every Nitse emittary change, and wit will be the direct embours of any personal neutron, of every unders chamitted, and be further subjected to the judgment of the depart-ment though its most expensived officers, before bung had before the Government for authoritation sanction I trust that a very considerable decrease of expenditure will result from its introduction whether I was the the part of the connection of the state of the state of the state of the prompting I myself cannot understand, yet in 1870 the sides of a serie was deposed by the Surgeon-General, British Forces, though still at home, we see it rigidly presented and closely adhead to the owner of the course of the surgeon forms of the course of the state of

ing instances of great care in the preparation, and clear evidence of effective cheel, of indents but the rule is slackness in both directions, and any expectation that expenditure in drugs will be sharply controlled by idministrative officers will assurably end in deeppointment

With a definite scale suited to menage circumstances it is quite easy to spot it once my excess expenditure in particular medical charges and to obtain full explanation. Without some such landmark as a guide, I am hopeless of effective cheek. The opposition is founded on a perfectly erroneous conception, that an officer cannot, under any encuentances, obtain more than scale | not on the ordinary annual indent certainly, but the forces by encogent indent duly supported by the explanatory memorandum, from which the smettoning administrative officer can at once convince himself of the

propricty of giving or withholding the quantatics asl ed for
The equipment of Native regimental hospitals haidly admits of much cartailment, but on every occasion when a chance of effecting a reduction, without storage of efficiency, offers at s never permitted to slide for example, at this moment, having seen reason to doubt the necessity of an ophikalmos-cope as an article of regum that equipment. I have asked for the opinions of several experienced medical officers as to the property of making the issue to stations, not to cops, one for each station at which one or more regiments may be cantoned. This will effect a reduction of more than 50 per cent, in the

numbers to be indented for on England on account of the Native army

bunness to be inserted nor a largement on some one of the extent some in Dannig lets jar, efter and log out the seedes for field loopstites, I had before Generated in my letter. No 433 of 8th July 1878, those for much intending that before specific series and during no before the extent of the series and during the demander above about the current with regimental loopstites. In was the establishment of field loopstite renders it quite nunescenary to have more until regimental from that suffect for the treatment of event loopstites. hospitals, in peace the station or garison dispensivy will afford a similar advantage

Surgeo Guerril C A Gordon Principal Medical Offices British Forces Madans

It ith regard to the first portion of this question, namely, improving the efficiency of the medical department, the result of my personal experience m, as well as study of the history of, that department leads me to believe that the following we among the measures most required in lader to effect that end, namely-

(a) Re-miradaction of regimental appointments of surgeons major and surgeons, illowing them respectively to go home on levia, as formedly us the cus, and on the exputation to regime their regiments. I am was that an argument against this system was on I believe that the advantages attending it to the soldier, and this to the State, the score of expense far counterbalanced that single one

(b) Making regimental appointments prizes for efficiency and zerd on the part of medical officers. an essential qualification for change being lengthened experience in the country, and making the medical officers part and parcel of the regiment as heretofore

(c) Making it a distinct and defined part of the duty of a surgeon-major of a regiment to spec mend and direct the methods of treatment of suck followed by young surgeons. I am more flat in a very this is sheady moveded for by regulations, but I would have it still mose so, as also that principal medical officers of districts should be held responsible that it was carried out.

(d) Regulardia hospitals brung ever proved themselves, 12cc allowed full cope, cycl to all requirements of the active portions of \(\tau \) force in this country, should be munitained in tut, all others

of 'n general system being supplementary to them

(c) Besides regimental medical officers as above inducated, there ought I think to be a certain partion of untituded medical efficies for the purpose of filling meedlunear position connected und Butish troops, meeting crisulties and so on In former times such positions were filled by tong medical officers of the Indian medical service, subsequently by staff or unattached officers of the area medical department, regimental appointments, as a removes occurred, would be filled from among them by selection

With regard to the second postson of the question, namely, as to reducing expenditure efform personnel, equipment, &c both in perce and in relive service, I believe that, under existing condition, the very mir mum practicable for the necessities of the service is maintained in all the respects man tioned, also that as with respect to personnel so with suffered, not only would no Enther dimention be producible under a system of station hospitals, but, on the contrary, that with them an access would be required. The precise considerations which has eled to this conviction on my put are can meated in purgraph 3 of runexine B and I would # boe as stier 5 praticularly desire attention to what is state | ander

section (f) of that paragraph

Theirer that, with regret to personed and soldered during field service, no reduction is postered, through one regret to deficiency, thus when we therefore the first war to recent allowed, also, that very considerable finish than the observation of the exceptance to the commissions, they considerable interests to allowed in these respects secondary to the commissions, they prographical and landscape, if the respective production of the commissions, the considerable secondary to the commissions, the considerable secondary to the commissions of the considerable secondary that the considerable secondar Burma during the runy senson than for one, say, in the Deccur or North-Western Provinces during the cold senson Neither is it a safe enterior to compare establishments required in India with these the control of the second of the control of the con to collier as connected with the army of Indra in peace or in war

Dr G Smili up Sargeon General Indian Medical Service, Madras

The efficiency of the Madres medical department call not be un proved, but on the contrary impaired, from a professional point of two, by separating the multius from the civil branch of the service. The reason for this view lies on the surface. Military hospitals, as a rate do not afford that amount and variety of professional practice which is

on all hands reknowledged to be absolutely necessary to the preservator and increase of professional expensence. In the Indian Medical Depointment, as non-constituted, this and macross of processional expansions. In the matter historial Department, a non-constituted that grave density minges are noted in things measure by the enablement of the uniting reverse in early become distinct, where their femologies, with medical suggest and construy practice to obtained which makes these officers spear bit, betthelden intend that The enable such in this the tracescape; comple ment of the ministry branch. The constant intendrings of the into branches course a riveral to reverse as a most process to also, constituted as it not further precise many than use in which when as a mostly civil department model and be no whole on time of use. The civil claims, the constant in which I still reproduce the constant of the civil claims, the civil claims, the constant which I still reproduce the constant of the civil claims. which I rice very high, provides many apparatments regarded as the prize of the service, the crisical of which induces a higher class of candidates to compete for admission to the Indian service. Its question of reducing the expenditure on the personnel of the Modras michoel department his already occupied the attention of the Madras Government, and the reasons given for maintaining the department. ment at its present strength are fully detail I in 1 per

† Not penties dr. B +

It would be well to consider how for the person nel of the medical department of the In this anni is suscertible of reduction. That department in this presidency is upon a perament was fooling and has an administrative department and a proportion of senior to jamor modulal olivers a module beyond the requirements of the I roperinfer to fill presidency ! He Indian medical depirtures met

keep then reserve in this country, where it ero be most advantageously nullived in the civil department but the reserve of British medical afficers cannot be utilized in Indi , but might be probbilly utilized

but the receive or corner memory ourses summe as unusual manus, and the product in Langiand, where at this moment, the mant of moderal officers as events, left.

The Indian methed departments are emmently ented for the needs, nithing 5 and all of 6 and 10 and 1

g there a both fragern force remodated the country, and J fed conversed the fact is equipped to the interest of the country of

A nm on opinion this recording single to make in the interface of the equal that in connect one of supplies of medical stores. The supplies are paradread in the Intel Office from the Int in September 2, and the press changed to higher than an the cortesponding that, as of first May its producerre, and the press changed to higher than an the cortesponding that, as of first May its Arms and Aver. These than as no competition, pures subjustically rule halp. In part (1), Arms and Avys. If here there is no competition, jures sufferingerth, rule lagh. In position of adopting a less expenses explains a decrease, of considerable. Hem, the [-] of the special of the interestable how no Madrie supplies of mechanical and intermentable at whole six jures for a six more relative to the position of the position of the commission, and on strangered of this limit of effected, we fit poss to be able to more about the position of the position

(891)

Appendix IV

The hospital equipment of troops on active service must depend largely on the physical character and the county in which the operations of war are to be conducted. Lack company must, in this sa in other mitters be the subject of special study and of special arrangements if all require-

ments me to be satisfactorily met and provided for

All medical equipment should be as both and portable as possible, and recent experience will be of value in directing attention to many points in connection with the transport of the sick and of hospital supplies. Some progress in this direction has been made during the present. Afginan war in the substatution of panners for field medicine chests, in the reduction of the supply of medicines, in the selection of the most useful therapeutic agents, and in the adoption of anangements calculated to secure officiency with lightness and portability War necessitates special arrangements, and these should be elaborated and perfected in time of neace

APPENDIX C

	Ind an eseyror	But sh servere
Avasage strength of the army Administrative moducal officers Description moducal officers Of cascitate moducal officers Of cascitate moducal officers Proportion of administrative Ditto continue Ditto continue Ditto continue Ditto sungeons major to surgeons	30,700 7 67 92 87 73 1 to 227 1 to 4885 7 1 to 1934 1 to 0 72 1 to 0 81	10,580 5 1* 43 39 5 1 to 8,2 1 to 2,176 1 to 247 1 to 092 1 to 012

No British mid and officer can by rule held a could med and appointment. The one noted in the list is a temperary and sail armagement † To s rat o lass reference to the calire except vs strength c vil and m l inry

Deputy Surgion General J. M. S. Fago. Officeating Surgion General, British Forces Bombay

The efficiency of the medeal deputment would be improved and the expenditure lessened, I concerve by the system of station hospituls for British troops as before mentioned, and expenditure certainly by educating and expending the apothecary class and placing them in situations where there me Natives only to treat, as well as having one

apothecary with each Native regiment The European officers, cavil and military only should require European

medical attendance

Everyone must see that the dual system of medical administration is an anomaly, and that there should be a reduction in its perso mel

The medical store depôts should be under apothecaries In times of war the medical services in India would require to be

angmented according to necessity from home

Dr W G Hunter H D Surgeon General, Indian Medical Department Bombay

(a) On the grounds of efficiency and economy, I would strongly advocate the desirability of one medical service in this presidency and considering that the Indian medical service would require considerably less augmentation of its strength to meet the requirements of the service under the proposed new order of things, that it is recruited with tolerable

and habits of the people of the country, which no purely in thirty serves could seque, that the sequence, entours, and habits of the people of the country, which no purely in that y serves could seque, that the cert and military duties herefore centrated to a how been performed ellegated to a distributed to a fix her been performed ellegated and without y the conclusion is that to it in thirth than to the army method deputingent abouth the entrusted oil the method and the production of the pro conclusion is that to it ruther than to the army method deputionant should be entrusted all the method that of the presidency, and I am of opinion that Government might transfer the charge of the Luropean theory serving in the presidency to it with the fullest confidence that the duty would be officiently and consecutionly performed. This and might be obtained with great case and at an examine are steen on existing expendation. Were they necessar fixed establishments [163] increased by the delibration of 15 surgicion, or a total establishment of 153 method editions, endourse of 20 per cent for contingences all the duties may performed by the Ritish and Indian method departments might be effectually met. The saving by the adoption of this causes would be the cost of the trany method operations? I must be calvered of the delibration I found the office of the trany method operations? I must be calvered of the delibration I found to observe the calvered of the delibration I found the office of the transport of the delibration I found the present of the first be indicated in the regions and of the presented in the field too. pre supposes the introduction of the station hospital system instead of the regumental and the field hospital system during wir

Theired of such a measure as the above, suppose a meas-analyzaration of the British and Indian medical deput ments for the beer reported in medical orbit parameters as not unlikely to take placely, i.e., that the multiry branch of the fundam needed department should be fused with the British to form one service, the civil branch temping as a distinct department. Such a measure, lif e most half would now just the commentary as a measure operations. Once it will be most improved on the most improved on the most at most including an advantage of the most of filtered or economy, and I et a negative program of the most as program out in civil to the best interests for the models of the mod

and varied experience, both medical and surgical, required by the medical officer in the various call that where experiences, outside access and sungerary requires up the mention officer in the transits of the hospitals of the ownerty. On the other head, the professoral duties of a medical other door, makery duty duing time of peace are very restricted and hunted. The expey is a polled life, and han node, of this out office causes do not render him was susceptable to diverse us the physically week and ill for mong the civil population. A capital suggest operation is many and exceptional, and the protein study of mould unstamy is virtually a deed letter, as the instances are exceedingly true where the relatives of a deceased sepoy will allow a post machen examination of the fool. Were it not exhowever, acute disease resulting in death, except from epidemic disease as choleri, is comparatively so however, acoust discuss resulting in earth, except tross equations suresus as contert, is compartingly are an Maxim military heaptist, bit the copportunities for stabuting then course and to this two so for as to be of no test practical value to a mobile officer. After a few years spent in military coupler, so midligated officer seek to return the end would, from which, that the hope of first years, but for vivious reasons, sweet to military delig. In this way professional function, and which is separation between the earth of military models department was proved an insupersible butters to The professional efficiency of the inchiral charge of the country is a supersible butter to the country in the country is the country of the country of the country of the country is the country of the country of the country of the country is considered to the country of the cou indeed maintrined and secured by the civil institutions to which he has acce s, and in case of micro indeed units consecuted by the early monatoness to make a rate over 5, must not 6 at major due the revenues to minitive due verific a which gives provided. Each department in it way prove of service in mustaming this high strudend of efficiency which the modered office of the Indian noded department is, as body, who modeleged to power I should use with spurchession may five leaving this mendacity on universities provided with modeled officers whose expresses lived by derived solely in military hospitals where disease, generally speaking, presents itself only in its simple derives usedy in maintary magnitus where the results generally spectage, precurs insert only in its maje; forms, and where a surgical postation of vary importance as rurely witnessed. On economic, ground to a partial smallgramtion of the two servees would, as pressonally stated, be a metalla. It is closured that a duril medical departments, but ever economically conducted, must be more economically employed. The properties of the critical properties of the critical properties of the critical properties of the critical properties of the properties regiment of Nature ministry or wing of one or more regiments of Antire minity is stationed, the civil surgeon could perform the entire duties without difficulty, did one inclical department only Whereas with two drynatments not less than two medical officers must be employed for the I could cate other instances in illustration, but I have probably stated sufficient to sher the two medical departments in this country are incompatible with economy and ifficiency. It is a question, too, how far an unalguaration of the British and Indian medical services might be detrimented to the recruiting of the latter, and vay measure which might possibly distint him—and but I this would be required to do so—aboul, it estates to think, be very carefully considered before it is reled to (3) Consequent on except of Government of India Resolution No 3835, detail 20th Septen

ber 1878, I submitted to Government of them of the submitted to Government of the submitted to Government of the submitted to commissioned medical serves, the apollocary's department and the assistant surgeons' class which under Resolution of this Government. and another and the second of the second of

ple, the reduction in the fixed strength of the commissioned officers, it , 113
(c) I litely introduced a new hospital equipment rate the service which was tried first with the (e) I fiely introduced a new hospitel coupment into the service which way truel first written that Matternoon Linguistra, and assessmently with the Bendry topos serving with the Jamillar column in the Afginar War. Deptly Surgeon General Bettin, Jadam Mechal Dig artiment, Bonte extinstinents, the war will make in Machinel Officer of the short of Step capterts very friendly, and and more recently. Deptly Surgeon-General A Smith, Arma Mechal Department, and Imaged Machinel Officer with the Armalikar column, in a letter to 72B, dated 18th Yrg 18Th, propt. I have been so much impressed with the suit-thirty for field service of both the field panutics and recent clears implied to through beforeign to the Bondry procedures to distribute the grant of the materials they contain, that I have failly resolved to recommend, in the close of the expedition, this matternative and the standard for the Bondry and resolutes.

numerous and continue the trave any treatest or recommends to use close of the eligibility of members are continued to the continued of the foreign produced. The engineeric contents of a field method continued properties for latered will dishection (D). A field oction that contents, uegals, i.e., will be found in the accompanying rated proper mind of A, B, C, B, expectively, which I beg to forewish for the understand of the Commission, and sould be gift to

respectively stated a control of the state o the point of being carried out in this presidency, and when completed will, I in of of mion, into all requirements

Further sugge tions 21 conglumes with paragraph 4 of confidential letter No 115, detect 6th Argust 1878, by Dr. W. G. Henry, Surgeon General, Indian Melical Deposits est, ha da

I am of opinion many of the recommendations of the "Committee for the Arm "felse".

Department," might, with salvantage, he adopted for the Intro Michael D partment now part coulars those numbered 9, 10, 11, 12, 13 and 11 at 1992 23 of the regret M in that due to make a most and the facilities and non-of-the Department, and after the impurity of the heat students of the modes of the best students of the best students of the modes of best of the radial students of the best students of the best students of the best students of the modes of best of the radial students of the best stu tion really a competitive one, which it can I well by claim to at present

non rout) a companion was, name at one can be the comments as noting of consideration or office. A notice recommendation made by the Comments as noting of consideration or office of a medical effect of or the effect 20 years service on £1 a day, often my 20 month of of the large to contribute or office of the proof C a decreage the goal axing the recurse and it is proof C a decreage the goal axing the recurse and it is fall effect, the goal of this which increase to returning allocances, would be of hittle money.

State

Dr Colvin Smith Deputy Sar geon Govern) Indian Medical De partment Madras

The Madres medical service has been nearly rained by the admission into it of East Indians, the greater number of whom have turned out very hally indeed and many have had to be got aid of for drunkenness and in fact being worse than useless in the department. When ordered on field service, the r com use generally fails them, they report

sick and use every subterfuge in their power to get off going, or if they are made to go, they soldem do any good. I am if erefore of opinion that they should never be allowed to enter the military service. These remarks also apply to Natures. However, we have had few of them, no Madras Native having as yet entered the commissioned service. But a Bengali lately acted

as I have above depieted when I ordered him on service

I would stongly recommend that a cost uncoveranted medical service be established which would mevery way suit hoth Natives and East Indians and on no account should they be allowed to pass for the military service. Into this service let men of good character who have passed a university test where educated enter on nomination. That such a service would be highly popular I am convinced, and they given all the smaller civil stritans, the medical charge of which are now held by spothecaries. It would be far better and wise: for all that such a service was established than to allow Natives and East Indians as at present to enter the multary service after studying in England &c They often leave their almo mater here quite well disposed youths but on arrivil in England get into the worst of bad companies, when they acquire had habits of drinking &c , which ultimately leads to their ruin

I am convenced that such a service besides being very popular, would be efficient for firming medical officers for all the smaller eval stations. The salary of these in it to use from Rs 150 or 200 per measure to Rs 500 or so, with the usual uncoveranted pension according to length of service. The present medical mulitary service would be greatly improved were nomination again returned to, and an examination before appointment as in former days. The medical officer should in every case serve at

examination flower supplies that is a conservery of the measure where severe and the servery should be been a conserver and the servery of the measure where the servery of generate in politicity, as a functionance and of the first functional grade and the first function of expenditure as the sense are those to do draw high my and the work might be mad performed by yourses. It would be containly be a great becar if the order allowing all laws to count as servers for penson up to a certain limit were extended to did officers some of whom ther doing good so were in the held during was had to return to England in order to regain then bealth, and we now trying to serve on for poissons on which to hve at home

There was never to my mind shown the least necessity for two administrative medical establishments, that of the Butth and Indian under all entire. We as there was only one it seemed for all unprocess sufficients, therefore to reduce expenditures. I would recommend dist the administration of the medical department be again left entirely to the Indian medical service as being much more likely to

be no every way well administered by men who have chosen service in the security and who when they outstend it looked to be head of the department at the end of these service. When the Hon ble I at linest Compray service was taken once by Her Maussiy's Government all the rights and provides were graunated to the officers in the service by Act of Palament. as more against man parameters was great mixed to be inconcern as med fively of any of relatations. List the daminaritation of the mode of it department of the sea formerly and in number or at present ser, a surgeon general of the lindru method service, with an department of money for it is duty they lives to particum, but it it is necessary that there should be adoptive group operared in the Derinta servace, let then be only one for this district presidency where it even are over yet of the Christian European knoppe, and it the fine of lovel Limpour through are resorted to there will be that flower.

Six deputy surgeons general me indeed a very small complement for the duties they have to per

form—dutes which ever the State a large sum of money yearly
Into last Regal Warnet an extra peace of 2.50 was given to all surgeous general who served
In that grade for twe years and to deputy surgeous general 2.50 on the same terms. It is very diffin that gains for the year and to suggest suggests gueers, a both the sales which that he penalticus, and the could to see why then was on three terms green (se it icknots penalticus, which has he are possible islended be expected of the cheeners set of, and not us 500 fee every year in the grade of deputy suggeon-general, which were the commenced. We man having once entered the valuationaristic great will consider years from the necessity give my the hold on this extra pension. Like in when men us in the least that and cell unvolve to perform their dust they grade, one will push used unlined to make years four and a half years in Indian on duty. Would at not be far better to give 500 fee each year served in the grade so that a man would be paid in proportion for the duty done on the grade of deputy surgeon-general, that of the surgeon general being extra to the extent of £350 2. At present the system is very bad, and retrids promotion, which should be encouraged just now as much as possible, as the service nearly at a de clock, dwang to the mode of gaving this extra pension. The change recommended if acted on, would much reduce expenditure, as men would not serve on for the higher rates of pensions, as they are now obliged to do

If a change in the administrative grade is contemplated and reductions be made, those in it would be required to be pensioned. But even this would be required to it e State

There should be a marked saving in medical stores by the reintroduction of the first second, and third class undents or indents in accordance with the requirements of a hospital &c. The power of sunctioning medicines should enturely rest with the medical administrative staff, and no revenue officer

should have the power to do more than recommend indents to be sanctioned.

There would be an enormous saving in home changes if all stores were got out from England. through local agents: A first rate firm have her lately offered Government to supply coupling required at trade cost and prices, and 2 per cent extra for their trouble. This would be an enermous saving were it in forces, and extravegual home charges would be reduced much

Dr J Gibbens Deputy Surgeon General British Forces Meerut Circle

The present state of the department proves the impossibility of reducing expenditure in personnel or in any other way on the contentry, increase the pay and part degree of the sal ordante motical department, masting on a higher stradard of qualification introduce without for their delay a comps of trained sick attendants, extend the stat on hospit

tal system to India, as medical sesence advances, and people become wases, they take less physic, and

Appendix IV] (894)

perhaps a small saving might be effected in drogs. As regards hospital equipment, one has but to contrast a civil hospital or infirmaty with the nearest multary one to be convenient. There is no luxury of equipment in the latter.

Deputy Surgess Ceneral S C Townsend Print pul Medical Offi cer, human hield Porce

The short and limited experience which I have liad of the weeking of the British medical department does not enalle me to off ; with confidence any suggestions in the way of improving its efficiency of reducing expenditure

The expenditure in European ho pitals up caus to me excessive. The system of chief by rule and series is complete, or far sat e-un be made so, but the domands for includence and hospital confer, vary so greatly, that the seales must necessarable be very liberal, and there is columning great road, economy within them. Loonomy of this kind, however, must rest with the exception and dimensional processary. tave officers, and the disposition to economize Covernment stores is not, I think, so common as it cought to be 1 feems to me, spectron to consideration whether scheel of heavil simples does, fend to keep up a high rice of expanditure. The executive offset as 19th to thind that we here, reconductor is whitnit the scale is fen an further responsibility, and consequently it is fen generally kept fully into the case, the is no further responsibility, and consequently it is fen generally kept fully in the case in the generally the rise with stores supplied by the count, and through the purveyor Series certainly sive the administrative officer trouble and re-possibility by they hamper him if disposed to check and economize. Under the general hospital system control as economy in the expenditure of stores would be more practicable than it is at present

economy in the expediture of sames some or more properties than it is a present.

As regards the lade in mocked department, I do not that that reductions in the power of of the administrative grades can be effected compatibly with efficiency, or with justice to the clause of who entered the service as it is at present constituted. The engoluments in the administrative grales. are so small compared with those of corresponding grades in the civil and military services, and the appointments so fore, that the sensers in the executive grade live, so it is, very little to look forest to, and was these for up pointments dissumbed in vine or number, the optibly and discontict during while many these who lives resemble channel be generated and greatly inserted. It is used over a metals to suppose that debuts of the administrative officers of the medical departments or light. In the Rawal Pindi Circle, with which I am requirented, the deputy surgeon general of the hight In the Rawal Paule Circle, with which I van sequented, the departs surgeon general of the Indian medical department his now heaver dutes then one offices one perform efficient). You will the removal of the earl detres to a central office at Labore, he will still here as much was to the through or can be revearably expected of him, and it will be quite impossible to combine the lar as of the Labora and British Moheel Departments, unless some great effection is made in the creation tensor the order. It was the surface of the control of the control of the control of the destress its high amounts, and a considerable messers on office establishment will also be required This greater portion of the executive, grade of the Labora moderil departments at practic court must handle be reported by the profession begins the state of the secretaries a malitary majors. It has early branch of the medical service there has of help years been a tendency to an inserve of upper it means and one consequent that efficiency of medical version may be then the medical comments of the court of the court of the court of the performance and the still report of the profession of the court of the performance of the court of the performance and the still report of the performance o

ments, and a cute measure mersor sure mersor run jens worth a tenticing from instricts of medical ments, and as every joirt the strictation of medically releval more plunly the ordinate mention ments. Native population of a visit mental of disease from prescribible causes, the necessity fire more temples attacks appreciation will be more upward present upon the notice of Government, and the mental determined for mixed efforts in evil employ will continue. It will no doubt be provided to meet by Withou opening jungity in him such, it is directed. Native tegogery in leggly unified a Demonstration of the control of t within a none-try and I believe that every car the demands upon the civil medical officer for the performance of unites of this return will menesse and flirth menny large from and dilutes a second manufactured flower for the civil medical department. I believe

to he out of the question

The great pressure of the demand for medical officers during the late campaign, and the new " for talling officers from civil complet to meet it, shows that in the military branch les, inder its present system, by which the medical requirements of Native regiments are provided for, reduction in number is sentelly practicable. But reluction in the cost of passaned unglid he effected by the salation of Native for Luropean method officers in charge of Native regiments, and Lam of opinion that this measure might be alopted to a considerable event without grant deturned to electing the degree of the general length it system were introduced. Tall mg, for use use, a statem when the A rine grant consisted of two mentity and one can also beginning the medical stall of the general by gift in with the consisted of two mentity and one can also beginning the medical stall of the general by gift in with the consistency of the general by gift in with the consistency of the general by gift in with the consistency of the general by gift in with the consistency of the general by gift in with the consistency of the general by gift in with the consistency of the general by gift in with the consistency of the consistency of the general by gift in which the consistency of the general by gift in which the consistency of the general by gift in which the consistency of the general by gift in which the general by gift in which the gift is giften to the gift of the general by gift in which the gift is giften to gift in the gift of the general by gift in which the gift is giften to gift in the gift of the general by gift in which the gift is giften to gift in the sact of the above force were little treated might consist of one Danapean mode it offer r, with the the area of the more store we like the tested might convex of one Dangeen model of ry with me. Matter set in the angene and her he part of without purples of no public risk would be a like the state of each regiment, with a small simply of mediance authile for that the would not and forthe treatment of men whom we also makenedly all to come of duty, but he would not dely at the general loop with or whomese the other in charge might require from my file of techniques of the continuous looped as we not, would not be the the hospital, and all would I middle for a technique might require from the tit of the continuous looped is as not. Would not be not set to be need to be not purple for the third believes the continuous looped and the master of the continuous looped and the continuous looped and the master of the continuous looped and the continuo first it would be necessary to provide Lurope in their officer for the clare, of sin le real est formure the sole germ on of small station , but eventually these a continue with the comment

of field service. The Luigness medical officers who had held charge of Native general hospitals would become brigade field surgeous. The organization in force in conteniments, but somewhat stempthened in numbers, would in Fet be transferred to the field, and with the amount of European emergement in numbers, would in truth the transferred to the field, and with the amount of Duropean improvement would, I believe, seven very efficient, management and case of the self, and wounded Anothen question that will arise will be, harpers mediard officers being no longer appointed to the charge of Nature regiments those will eventually be no officers of the findrum Medical Departments having multiary expenses from whom officers for the charge of Nature general hospitals can be estated, and how will these very important charges be provided for? To romore years the Indian Missisted Department would furnish sofficents competent officers for the purpose, and then expenses of Luder and knowledge of Nature mediate establishments would prove of great advantage in a starting and consolidating the new system. But eventually the European element would have to be provided by the Aimy Medical Department and thus the appointment of Natives to the charge of Native regiments would lead to the extinction of the Indian Medical Department as a military service. But if the scheme for the reorganization of medical services which was submitted to the Secretary of State for India nearly two years ago the chief features of which were the creation of eval administrative appointments under the Local Governments, and analyzimation of the administrative grades of the British and Indian Departments, at the same time placing all medical officers of the Indian Department under the control of the Surgeon General, British Forces—if this scheme has been approved (as more much the control of the Surgeon General, Brainsi Proces—if this scheme has been approved (in public prolar syst in hat,) the sentence of evidences as a military serve has been already y priest on the Indian, service for I vesture to express my opmone that the scheme cluded to as a bird, measure wheel county proved that it will not work without great triesten date this pelboases which lives always crasked, and which appear morphable from two services working in the same field, will outnow, it is attempt's at concombinant service in the purpleges of the other, which would keep up constant surriset and all feding. It will, I believe, be better to at most form a distance and in some form a distance and in some form of surrise and all paths much classific copy. The enclosed self-copy are constant surrises and in some model staff copy. once even a superior even increase versions usin an income modernal scale copies. The modernal scale copies are would exceed to provide Constructive of Nature surgeons could be trunced, the European elements would greatly predominate, but eventually the number of Matries surgeons would exceed in the proportion of two to one. This strongs for the modernal scale focus proportion of two do one. This strongs for the modernal scale focus required for the Bangai Nature usary would in round numbers be about 100. medical dail copie required for the Joseph at wave unity woman in reverse to success the success to success the first sole for the form the form the Indian Medical Department, but discussed carriedy of efficient darked from the Indian Medical Department, but discussed when the daily experience the first sole of the form the Endand School Department. The qualifications for admission that the under the form the Endand Medical Department. The qualifications for admission that the medical titled copy should be called the years' success on the name and knowledge of the lunguage sufficient to pres the forcer strength extramation. Drug officer rifer entering the stiff cope would be required to zero one year in a Nature general logistal under sensor offices before he would be control to the oldings of a Nature organization general hospital under sensor offices before he would be control to the oldings of a Nature organization general hospital.

Officers serving in the stiff copes would be contilled in their turn to promotion to the administration of the stiff copes which is contilled in their turn to promotion to the administration.

two goals, over the ring in an ease ones were no common in eart turn to promouse to the administra-ture goals, overthen numbes of endes being seers of for them and their clause to promote would be denoted on by the head of the department in India subject to the approval of the Commenda in Chaf-In the scheme that I have now sketched I have not thought to necessary to cotton number in definits, unders, I have not the necessary information at band or the time to enable me to do so. But if to many modes. I notice that the commencative would be the substitution of from 80 to 100 Nature it were deposed to scheme stageing from Rs 100 to Rs 250 per measure for Lucoperu officers at salvers runging from Rs 300 to Rs 1,000 per memora. The chumant on of the multivey clement from the Indian med cal department would of course radically affect its constitution but there should be no difficulty in reconstituting it on terms under which the interests of the present members of the service would be seemed from harm, and which would attract this men from the British schools

Surgeon Vajor T G Hewlett o the Act of Dojuty Surgeon General Stall Div Mon

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Have answered this question purtly in the scheme? I have for warded for submission to the Aimy Organization Commission, but I would desire

and Nettre troops are rendered meffective by presentible disease. The following table taken from my report as Sandary Commissioner, shows the principal cruses of admissions into hospital during the six years ending 31st December 1877 among the European army under the Bombay command -

YEAR	10'2		1	1678 26-1		16		16 0		187				
S strong			39 00		510 70		ID 699		10		N) 161		10	10 (19
Fra gal can es of a m s on n olo [1] armuped in order of providence. Ye	\ mbe	Tate p 1 000 of atr ub	's excher	1 0 pr 1 00 of	T too M	1 4 to p 7 1 000 of		1 d p 1 000 c	Number	I long 1 000 of	Yend r	It. 1 p 5 1 000 of		
Anismalf vres • eees le p b a cond. sada a data Hard con 2. ** You cloud; d' waxes 2. ** ees good to ee a glegal da greenlery good to ee	00 / 10 4 8.9 80 63 1000 63 0 8 0 1	611 4 1618 6) 679 45 9°1 641 641 7 9 316	510 181 191 67 1 00 03 04 1 00 03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3631 1799 100 199 678 136 6 k 466 0	5391 1 6 8 20 C 65 1 1109 65 65 0 85	5 119 0 63 1163 40 91	819 9 1 1 1 1109 10 3 10 3	1600 1504 (31 41 61 61 61 61 46 15	490 t 1785 0 1 4 6 0 301 203 401 213	4 A 1 Cd 5 Si 2 A 1 Cd 2 Si 3 Si 3 Si 3 Si 3 Si 3 Si 3 Si 3 Si 3	4.0: 19 10 61 61 67 7		
Total of there ten enu en	124	1170	1 60.	1111	1.3	10501	1° 180	119 1	101 9	1 001**	10 13	160		
Total from all cauve	1 180	1.099	1 030	13361	1 3	1 %**	11,233	1 (64.0	13,2-	131 .	13 6%	1.30		

Would also so the agreement occupy the second place among the paneral decrees what at European soldiers. In 1876, 196 men menery 1,000 or 111 per cent of the total admin one at laid up during the year will seems form of contend decrees.

The following table shows the annual loss of service and strength among the Luropeas to under the Bombay command since 1872—

		I.	0°8 OF S	LEFTCE	Loss of Streeting						
) est		Avert	e annual et 1 009	of of	Aver	Averag animal ratio p.: 100					
	Average strongtl	s into	duly	number of	llo16	Invil è s					
		Admiss ons kospitel	Average	Average days sign ler man	Deatl sman	For clange of el nato	For d	-			
1872 1873 1874 1875 1870	10,818 10 665 10 529 10,181 10,116	1 588 1,316 1,286 1,494 1,317	50 53 51 53	18 10 14 72 18 51 20 01 19 18	18 56 11 72 10 61 20 92 12 36	13 06 36 11 35 39 35 30 35 30	9 10 7 3 9 05 97 1(1)	12 1 1 7 1 10 21 13 2			
Mean	10,163	1,382	52	18 77	14 90	35 13	8 10				
1877	10,061	1,361	55	21 17	11 63	86 67	п	15 ^			
1870 Mean	10,116	1,317 1,JS2	53 52	19 18 18 77	12 30 14 90	35 17 35 19	810	11 3			

In 1877 in the bather sumy melano is fevers deprived the Government temp result of the Bomb'ry mury of of a struggle of \$2.561 in as often oried out of \$1.500 to sport of the Bomb'ry mury of of a struggle of \$2.561 in as often oried out of \$1.500 to \$1.500

There is retaining to expense to Government as preventible desire. It is the with all hospitals, which necessitate the Leging up of a large body of medical efficient and including meaning entirely, which necessitate the Leging up of a large body of medical efficient and including meaning entirely, which exhibit the george expenditure for medical effort and confiders. If the first health of the map in India was reased, it is evaluate that there would be a fixed expenditure moderal department. There, is no true raying or one which in my options Government as drawed and upon in Ceiting with the question, than that prevention is better this care.

Cargreen Vajor I I cil all V.D., Fra ner of Vedical Account Bengal I here thrujs considered the custones of two melt ils jim this country as opposed to the Lest, intensits of forcini soft thand it needs not much deteroctation to jame Just it is costly absorption bus become units jets of units of that produce compared with explicit or functive years again and mill the produce the mental of the produce the produced of the produced with the produced of the produce

times to long as has sparify ever continue. I half not live and the others of the robots see J construction of the sparific set of the continue of the sparific set of the robots set J construction of the sparific set of the sp

(897) Appendix IV

part of the mmy European or Netwe or both, at the semetime which is not the case at mesent In garrison this last would be of great advantage and be largely economical

Again, the cost of presige of British officers to and he would be would Thery regiment on lunding would have its appended complement of medical stuff attracted, which for infurtry or enalty in ordinary times would be not more than two offices

The administrative grade should be selected from the Indian service on the same grounds There should be a revision of administrative circles and now that the civil medical administration is provided for, the present hunts of men will be capable of extension. Thus a great saving may be

is provided for, the present hunts of mer will be capable of extension. Thus a great examg my be effected here with percet efficiency.

There may possibly be some smill economy effected by dimmushing the number of du ign new into off or this, the I am not hilly progread to give a positive opinion on this point. The practice of medicine dones not admit of presenting by rule, but I mentions that a good practitione does not want very many drugs. These, geam as to surgiced originated, the ten college to suggests or this head. The present scale for military hospitals was prepared by me in 1874," and has been found estimated the present scale for military hospitals was prepared by me in 1874," and has been found estimated the present scale for military hospitals was prepared by me in 1874," and has been found estimated and the properties of the military hospitals was prepared to the modification of the scale of the military hospitals was a considered and the provided of the military hospitals was a few properties. The principal depth may not be a fully without as to explicit to be in the way of men infection preparations but this it would not be possible I consider, to exceed yn the present building, which is to small for present requirements, and futfact with the first properties and in terms of the time of the time of the scale, to treasfort in the present building, which is to small for present requirements, and futfact with the scale of the properties of the scale as it eight to be in the way of his measuring preparations or truin it, nous not one possions I con-side, to consell, or the persons building, which is too small for present requirements and further it would be very undestrible to send a large planter-content laboratory in the heart of the form even if available space existed. At some finites toon it may be a subject for consulcation whether the present by thing should not be sold and the depot removed to Cardine Beach. At such time in extension of the pharmaceutical laboratory should not be lost a ght of

Surgeo Major J H Porter late n nedical clarge of Field Hospital lat D Teson lashawar Valley Field Force

To improve efficiency, the existing medical departments of both services should be malgamated. This would cutual all medical officers coming to this country first learning the language, which is as essenti l for the proper performance of duties with British tacops as with Natives All medical officers on airwal to be instructed in the internal

conomy, routing, and customs of Native military hospitals, as well as L ropean. The want of this knowledge on the part of medical officers I found most mecuvement in the late campuign in Afghani stan, where from emergencies, I was obliged to detail a medical officer of the British service to look after Natives who objected on account of not knowing the language and enstons Again I had to detail a medical officer of the Indian service to look after Europeans he objected from not know-

ing the rottine of European military hospitals

By hving station or geneon hospitals there would be greate efficiency and less expediture.

There would be freeze modeled showleaders and sevenute required. It would be unpecessary to munhas a spiral beyond a quantitative and a series of the control of the other of a larger partial and a spiral beyond a compact the cach regimes of copy or bettery 's on one of the other of anging stations; they would only have to take with them a small supply of medicanes a stores for the march, leaving every would of which the station hospital to the regiment or copys televing

The system of each regiment carrying with it its full equipment required a large amount of

tansport, and in framit faire has story a feet great loss from freel type alone to the tansport, and in framit faire has story a feet great loss from freel type alone from a regiment moving, all saks should be left in the stytuon hospital till fit to join in a healthy condition or otherw so disposed of This would prevent the great amount of such trusport usually condition or others so dispose of ... This required the great amount or non-trinsport usually legithed when a regiment is accomprised by its seck on active service. The field hospital system would finded greater efficiency and less expenditure a negative powered, method stores, hospital equipment, and triangust. I have to subunt here a statement showing the establishment and terrage required for a force of 2 840 European troops on active service on the regrmental and field hospital systems strength is that of the 1st Division, Peshawai Valley Field Force, in May 1879

By this statement a reduction is shown of 100 corrunts and 138 camels on the field hospital

system as compared with regimental

Statement shown in the establishment and carriage required for the underventioned force of European troops active service on the receive dal and held divisional hountal ensiens

1 Buttery, R H A 1 , T A 1 , H A 1 Regiment of cavalry 3 Regiments of infantry	,	: :		150 150 90 850 2,100
			Total Reg montal system	2,840 Field dryssor al hospital system
Hospital establishment Purveyors Purveyor's establishment			226 7 60	148 4 85
Medical stores Office records Ho-pital equipment Cooling ntensils Tents		Total	293 Cam la 40 10 177 7 66	187 Gamels 17 1 90 3 51
		Total	300	162

To make hospital transport efficient, and with a view to economy, it should be entirely and control of the responsible moderal officer, in the same manner that horses are under the control of offices communding a buffery. By thus means, men and annuals would be properly could be there would be fewer cast affines the absence of this arrangement was very much felt dange for recent compagn in Afghanistan where transport number were shifted about from day to day set ! mous matrices were neither watered nor fed

When required for any movement, undertained to be prepared in the west manner which had be signed by nature roots officials, and when cancioned, it was sometimes suppossible to obtain the some

without the greatest labor and trouble

With regard to the establishments of medical othors and subordinates for the regimental and f hospital systems for the same force as above stated I beg to submit the following elatement, in rf 3 there is a reduction of ten medical subordinates by the field lossetal system, I do not confir at reduction could be made in medical officers -

Statement than rig the establishments of medical affects and extendencies for the underscutives of Luropean troops ordered on active service or the regs with and fill decisional hoy delivery

	159
	1.0
	90
**	314
	2 119
lotd	2,840
Regimental system.	Feldős mi bezmisz
· la	10
23	15
*****	****
38	28
	Totid Regimental evitem. 10 23

Tet the more offerent working of station gurneen field, or base hospitals, it is essented that a Indian army hospital corps should be organized composed of Europeans and Nat et Night. present arrangement field and brue hospitals are supplied with a Furor can staff consisting of logal present correspondent bette and two hospitals are supplied with a Puroy as selfer constain, of 1891, segment, past forw segment transport wergers, in all water from the real of 6 was expantly, as as these men feel frely care lessing that time by being so complored, their promotion least works the requirest time whereof they come their perform the hospital dates and the undustried. The requirest time whereof they consider the hospital dates and the undustried are required to be permutted to return to date. Indeed, the near who performed the observed with the field length, 100 kilosom, Packware at Valley Ireld Force, date on a set for 12, that there was a regular hospital cooper the stell x with length and the first set of 18 x 10 th that the bear already trained to that of two years of the set. would have been no dissatisfaction as regards position of fature prospects. In the late compagn would have been no dissulteration we regard position on future group code. In the late sample," it was with distinctly the natures of the "over all Tour colorwals, commanding differed 15 of "the three being required the state of the sample and that the ever are number of servants employed git be cose dendity and cel and reasons tol el

These servants would be used the Purope normal less that against a did solven you.

These servants would be used the Purope normal logital cars and apol cars in the training and did solven the purope normal logital cars and apol cars in the training mode did the less many to fail the more in mentioned the headings with a new to stirut the attention of the Common and to I do

it is northly of consideration, not alone for efficiency, but for economy

The adoption of the general system would effect a great into a f Surgeon Anjor C. Martin Arn J. Medical D partn ent. Loth not at the e st of chicenes. It possesses the adapting a faulty of

If station hospitals are evidenced in the country, a regiment change station is oder to comme of ried would only used a pair of primer, field compress, and case it institutes to it is part it. The array mount would be supply, as prevision as I very made not for invalidable in free to the country of the regiment of the part of the regiment of the regiment. strong and healthy men reads to much or fight

On mivel at their destination, they needs ful a hequital perfectly equiped and Govern would see the expense of the gates a needs, &c.) but the country on from 100 to to 100. In the lat time of the held hopeful arranged in seed one, to estimate the chiral j. In the other lates of the held hopeful arranged in seed one, to estimate the chiral j. In the other lates of the held hopeful arranged in seed one, to estimate the chiral j. In the other lates of the held have been seen to be a seed on the chiral just the held have been seen to be a seed on the chiral seed of the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seed on the held have been seen to be a seen to be a seen to be a seen to be a seed on the held have been seen to be a seen to be

(he expense of regunental loquida

At present the tour of an officer of the Army Medical Department lasts five years, during which time be naturally attains but a modesim of Indran experience and a very slight insight into Antive habits or feelings His knowledge also of climatic and local influences will be limited, and at all rates or reenings - an amount of the property of the control of th

would be against every rule of discipline or hygiene to cause a regiment nearly arrived from England to be medically treated by an officer resortly unacquainted with the instery of each man. But as a regiment is now hable to receive an entirely fresh moderal stuff on annual in the country, it may well he held that it would benefit by being trunted by members of a body who looked on India as their home, and who had studied the discusse poculfar to the country

I have head it contended against this proposal that a medical man who may be long from England is ant to allow his professional I nowledge to rust, and not to keep himself up to the home standard But I question greatly whether the Indrin Medical Service, as a body, compares dis-

advantageously in professional knowledge with its sister-service

In fact without and mg my mandlens comparison, it may be considered that the generality of European officers would profes being treated by an Indran medical officer to one of the Home service

Latterent enters sound general using beauting by in inform menter ouncer to one of the Home Service.

The Home service has returned by a right to demand that they should have a shape of the administrative appointments in India 4 slong is burnly of their lounger and size largely employed in India
but by milling all service in India to supervisit to the best model service, the difficulty of dual
heads would disappear, and the withdrawal of the demand for offerer for India from the Home

head would chappear, and the will offered to the demands for descers by this from the frome ecrove would it ower rideous a large body for employ meet in the Home and Moditerrement, stitutions. A present the faries are receive possibly from its being local, as a facoute, and he so difficulty on obtaining satisfactory recents. The country set hospitals of the Modified Department would not appear to remove any facoung of all theory in Ladar valler the Army Modified Department would not appear to remove any are the face of officers to be required. As it yet to might send to class, the proceeds the them—by examing a larger to compete for the Indius certors, and would most likely pleto the Indius Government in a very difficult position

dummin position. We all ditties given to the Indian Medical Service, then the European officers and thour families of Native regiments implie to attended to by the staff of the station or genuous begintly the Native soldiers being recent by a superior class of Native nearbeil unser-a constantly unresting and established top body, who could be appeared by other the administrative or station hospital medical man. The necessity outleggment of the findam Nobels Service would not, I think, be difficult, as

volunteers for the Army Medical Department might be called for.

T. COMMISSABIAT

What are the main differences, so far as you are aware, between the Bengal Commissariat and those of the other presidencies?

Colonel J. I. Willes Comm parry General Bengal

I am not aware of any material difference beyond what is necessary owing to local circumstances

Lostenat-Colonel M W Willeage 1 y Acts of Commissory General Bembay

The commissional department in the three presidencies is organized on the same principle in regard to personnel, the establishments of commissioned, warrant, and non commissioned officers being larger in Bengal and Middas than in Bombay on recount of the greater number of executive charges in the former presidency, and in both through warrant and non-commissioned officers being employed on duties here performed by Native inspectors

The subordinate establishments of elerks, gomeshtas called inspectors in Bombsy and purveyors in Madras, are also on somewhat the same footing in the three presidencies, except that in Madras gomashtas, otherwise inspectors or purveyors, are not employed to superintend the

outerwise negecties or purryous, are not employed to suparmize a session of rutions to British regressions and halves, to pul artillery, as is customary in Bengel and Bombry. In theory the precedence of obluming the required supplies for the army, in the same in the three presidences or, by control, when possible. How for it may differ a netard procket, I am made to say In Bombry the contract system obtains almost exclusively

In the Bombry mendency the commissariat department has to perform duties connected with supply and truspot for the evil department and for other departments, which duties in Bengal are not

performed by the commessman department

Colonel T. H. Sibley Deputy Commissary General Bengal

The mun differences between the Bengal commissional and those of ofther presidencies me in the nomenclature of the Native subordinate agents, the pay of such in other presidencies being, as a rule, higher than those in Bengal Judging from some papers received by me as president of a commission which was to have assembled last year to inquire into the sistem of audit, &c , in the three presidencies, i greater lutitude or discretion is given to the officers of other presidencies than is accorded to commissarint officers in Bengal,

(900)

Colonel M J Brander Offic stung Deputy Commissary General, Upper

So far as I we aware there are no main difference the new ment three pre shences being very similar. It appears that the out of the tem is more curred out in the Bombin, and I believe to the V presidency, arrang, I think, from the cucumstance that the est where British troops are located in these latter are of much long . a istence and generally near Prege Native cities, while in Bengal the . many stations of recent formation whose rates have been there a on suchary grounds, consequently, espitalists and specialists on numerous in these latter, especially when saturated in and mar the !! The other (we presidences are more limited in area, affording gar families for the operations of contractor

Colonel J Recr, Depair Com-meary General Layer Carde, musur, General Bengal

I am not an me of the differences I am not aware of differences of detail of administration and it Colonel G S Machenn, Deputy

Community General Inte in Community Community General Inte in Community of the Abriler and Kuram Forces Colonel G J Balvample Haw Transmer of Commisser at de counts Bongal

ment But as different languages are spolen at would be differ he an officer of one presidency to manage the duties of mother This office is not ware of the man differences between the Born

Mujer M A Renlarden, Ex amuser of Comm startat Accounts, Bombay

commissment department and those of other presidencies There is a very small diversity of practice between the Bull's Madris commission the departments, the main futures of bith k w endly the same. They differ from the Bengal community kthe point of contract serves departmental agence In Bon is

Madi as the contract system is employed in every mixture where and

Mayor W Luckhardt Dep 63 Assistant Comm many General

whereas in Bengal the procince obtained of getting on ples oil a through departmental agence, involving a large expense on the even establishments I have not served with the Madris commissional department to my reply is therefore necessary restricted to the Bombo and the

commissionat departments The main differences I have observed are-

(e) In the Bombas presidency supplies are obtained almost estimict contract, and consequently no necessity crisis for the cuploment? purchasing agents through a hom supplies are more or less old and in the

Bengal presidency

(b) Another difference I have observed is that in the Bom!)!" dency the warrant officers of the department are placed in directly of all station godowns, and under the supervision of executive to missing to offices who are held per onally responsible for all of my their offices. To the Most office to the supervision of the supervis in their change. In the Bengal presidency warrant offices or at it from this responsibility, which rests with goldon gomestiment it. ment which is made in the Rombin presidency in cross call, when the services of a narrant officer me not an alable.

(c) I my mention, thirdly, differences in the in other of sort of returns. My opinion, however, on this subject is that the disexsterne non old mune can be easily accumilated

Should not a greater use be made of the contract system?

Colo ol J i Wiles Con to sent Gereml Bengal

I am a great advanced for a atracta but. Government for a health her down a least and fast rule ther he throwns the report of For other hands and the three there is through the report of a region of a country to request, when knobes report united by the country to request unit then, who from unforce or earse the find it proved bence them he said a governor of your cit is the country from the most of partners been reducted. Central are all the province of the country of the ment, and hence the do started in evolution mean the of

I entenant Colonel M W Will loughby Acting Commissary Gen

The contract system curnot be extended in Bombay, as the commisstruct department already mystes tenders for contracts for all its supplies and services, including these required on the line of march for troops, and services, including uses sequenced on the fact matter for recogn, buses, and life-lookinum carrage annals, and only resorts to the op-stem of deperfuncted supply when the rates teached are untwo trible or other termenatures reconstrict the subpolies. Practically the great ball of the supplies and services required by the department's even of the under control and large purchases by specific are trivially unknown. In regard to the department's supplies of bread and most, the whort is ablanced the confirming and utilized ablance for one attempts in control. obtained by contract, and cuttle and sheep at some stations by contract, at others (failing receipt of tenders for the supply) by purchise by, or under the orders of, executive officers

Colonel T H Sabley Deputy Commissiony General Bengal

In Bengal tenders are, I believe, invited for the supply of every arti-cle of supply except for bread and meat, which are supplied under direct commissant agency, but even in these supplies we invite tenders for supply of wheet and ue office lades, bones, and surplus ment for sale by contract. The tenders arreceved are reviewed carefully— lst—By executive officer, who records his opinion as to fairness of

rates and abilities of tenderers

End -By deputy commissary general, who reviews the facts and opinions given

8rd — By examiner, commissaring accounts, who records his opinion as to rates
4th — The commissary general their passes his orders except in cases of very large contracts, tea,

rum, &c , which are submitted for final orders of Government

I think it a good plan to invite tenders for supply of all articles in this country instead of obtaining such hy indents on England, and believe that after a few years the supplies will be effected under favorable terms

Colonel M J Brander Official ng Deputy Countains ary General Upper Outele

A greater use of the contract system could not be made than is made, every possible means being adopted to induce persons to under-take contracts by the frequent and periodical public intritation of numbers for near pariode required for troops and public cattle, and it is only in the absence of advantageous offers that departmental agency is resorted to I would here mention that, in my opinion asystem of sup

ply entirely by contract in paces times would have the effect of suchering the commission of any experiment less clusted and less expelhs of employing its own agencies in time of war, when, as a rule, supplies can only be obtained departmentally

Colonel 7 Reer Deputy Com-mutary General Lower Carelo, Bongal

No the present system is, I consider the best that could be desired By it the contract system is used as much as is advisable Contracts are given to tenderers when the tenders are judged to be fair offices. They are contrasted with supplies much by agency, with most current, and with the last contacts, it is certainly most unadvauble to do anny with egency paradease. As a role thay are, especially or regards purchase for grant, flour, gloss, its most economical and the best for Government interests,

and this will be apparent when it is considered that to guard themselves from possible loss and run, tenand use in the property was to be considered units and property comments are not greater (according to the property of the pro

The moneyable full as agreement to be received in The moneyable of this can be seen of a gluce. The contractor's state is limited to the amount of his receively deposit, the limit of which is Re 10,000. But if pures full, he can go on graining for whole your, and the part it may amount to fis on the inneas the above sum, and Government can say nothing. I think the term of gruin contracts should be for these months, on which mentions. The risk and security deposit would be much less. There would consequently be greater competition, and better offers might therefore be expected. It would then be possible for a contractor to purchase sufficient grain to render himself independent of the market

If purchases were entirely confined to contracts, contractors would be lakely to combine, as they would know that the executive officer was helpless, and must give the contract to the lowest budder

Agency is very useful as a check to this, and I am eleally of opinion that Government is, as a rale, a great lose by group grain contracts Because the price entrent rates of gram, owing to the large consumption, may safely be depended

upon, therefore agency is very sets for thus important supply

Tor barrel and hospital miscellanes durries, blunkets, &c., &c., the market rates of which do not really exist, their consumption is so integrated, and they differ so in quality, that contracts are, as a rule, best

Experience has proved that bread cannot safely be entrusted to the hands of contractors, who understand nothing of its preparation, and are in the hands of their bakers And since the introduction of the supply of meat by agency, the quality has been far better than

it was when supplied by contract, and the east less I do not recommend contracts for bread but I thank meat contracts might be tried again on a small scale at some stations to see how they were

Colonel G S Visition Dept ty Con a serry General 1 to an Con m searcht charge of the Allyker and Instrum Locates

The contract system is made the greatest use of that is possible But when contractors do not come forward, the agency system has to be resorted to

Colonel G J Delrymple Han Examiner of Communication Accounts Bengal.

It is the opinion of Government that supply by contract of a demere fully encouraged and developed, and that the employment a purcha er of stores which they bone to receive and account f rewhen practicable, postto ely probabiled In paragraphs 150 mil

of the farment resum of the commission diportment for Port was shown that the los is Government by the a pection of tenders for the supply of some added with supply, stores for Port Blux, and wheat for the bluer at Calcutt and the sub title agency an angements, unconted to Re 1,52 008 10.2 A great portion of this los are different portions of this loss are different portions. attributable to the exception il encumetamers of the year, but the loss shown does not apparently ! the extent of the loss which Government sustains by the maintenance of agency analysis of contracts which cust do not represent a sound contract system, then existence is opposed to agent's interests, indees he is admitted to a participation in the profits, and an each array a must enhance the rate. The existence of a strong a gency most also senously interface with h. L. class of tenderers, men of substance, from the fact that departmental agents being both provides cases of tenderes, man of superime, from the net that departmental agonts boute both process; a receiver, and bring the meter-of in their our brinchs, leve pressured by acquired in monoid of the which delens contractes. Incur responding to the mixture for tenders. There do not up to to sufficient receives any which and of the supplex, monoiding folders, should not be a reached; of a series and other via brilling supplies, but the mixediation of a selenge in the moils of up to it probably he not by the strong open stone of departmental agont, and therefore necessitier a client on the part of a receiver of the unitation of a system which a vold depart agents of he-monoids. profits There are excementances under ninch agency must be resorted to, but its extension of the pours. Here the contents uncer-seed a sense gauge stores are moved to gauge, as examined as a formal and formal and the sense of the se Appendix A referred to in paragraph 78 are also sent

No 1157, dated Sunh, the 6th September 1876,

From-Colonel J I Willes, Commissus General,

To-The Officiating Secretary to the Government of Indra, Military Dept.

I have the honor to acknowledge receipt of your letter No. 113, Commus unit dated 19th J 1 1870, forwarding printed copies of the unimal report by the Lyamine of Commuserial tecess. the year 18:170, and with reference to purpose here and \$1, menting my attention to the rate in supplies by local agency in heat of continets, with the remarks that supply by continet at \$2. more fully encouraged and developed and the employment of a cuts as purchasers of stone 12

there have for receive and recompt of the dependent of agency practically.

2. In refly, I beg to still him and we called the has been any increase in the 13 phenomena.

2. In refly, I beg to still him I am of an inclusive has been any increase in the 13 phenomena.

3. In Learning a period above the man was a contract to compared with each of the process of the pr of notice to certify applies are united by the Department, ind about one are recorded as a few of the second of th

appy as an extension (q

If tender are regard, and the Prominer in reviewing them before desprite to my after it? that the rates are high compared with the cost of previous years and righty marketrates, i in interests of Government region the tenders, believing that the singula ha against on he officied. chough, and the test of the result should be not a comparison with the rejected tendered rate later ? the actual providing market rites as shown in prices current. If, however, it is thought a little and accept the lought tender even if the rate is shown by the Laminer to be high camp red will used of the supply are presents a community ting more eterate, at and certainly be developing if contract seem in the following all all be glad to record the orders of Government to adopt the contract to the orders of Government to adopt the but is long a discretion ; left to me, I shill not as I have inflicate done, I cherring that I late

Indicionals 1. As grids the spinion of Government that the employment of agents as parcharacted in their this that, for account for man, along restricted to positively from the logical part ent if such as to be the rule, in there is no face will have to be into be due to the control of the rule. nation , for no trace, a su toolhor grounds to have go to supply eggs and find wind have to them from one of s, and other times from mother, and so on a statum ground in a find upply gran, bloom A., nondd bras total othern over from after your manufell jazza nee allo whom to office, one badeout. All of the exact matter profits, and then yould be to bee mond of the one restron employed I say thre the ment will love to the fits, he no networked and there for thong, of the non-lands strength the right to force and a still force the and force be need more a clock of biforms.

[Appendix IV (903)

6 I would urge therefore that the system which has worked so well for more than half a century be allowed to stand. In theory the system of purchasers not being receivers and issuers of stores is admitted to be correct, but that in practice it can result in either economy or efficiency, there is not an officer, I am satisfied of my standing, will admit

No 750, dated Culentia, 13th November 1876

From-The Examiner of Commissariat Accounts, To-The Controller of Muhtury Accounts

I have the honor to return the enclosure of your No 6927 of the 9th ultimo requesting to be informed whether the supply by agency, as compared with that by contact has increased or is increased ing and remarks on Commissary General's letter No 1157 of the 6th of September 1576

2 With regard to the extent of agency as compared with contract arrangements. I submit the following statement showing the number of contracts and agencies for the chief articles of supply under-

(1) Wheat for miles
(2) Victualling Europeans
(3) Diet ug siel

(4) Teeding cattle in 1874 75, and during the quarter ending June 1876.

With regard to wheat for mile and eattle supplies, the number of instances in which bakery or mill agents and cattle gomashtas were the suppliers, receivers, distributors, and accounting agents of the stores in the quarter ending June 1876 is also stated

		1874	75		Quan	TEBETO	meJune 18*5	Instances in quarter ending June 1876
Asticles		Si ppl ed by contract	Suppli		Supe	plied by stenot.	Suppl ed by agency	n witch agents neco suppliers and receivers also
Whest for mills Vietnalling Stores		{ 2 March	1875	10	3	5	12	9
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Diet ng Sick					-			
Fords Chickens		24 26		19 29		37 33	17 20	
Teeding Cattle								
Atta Barloy Bhoosin Podder dry Grum for horses Grum for bullecks	٠	3 4, 8 4 4		25 22 26 32 39 23 23		2 1 4 1	21 23 24 19 17 27 27	15 20 744 19 10 28

^{4.} It is only within it e last two or three years that the attention of this office has been attracted to the subject, and that stat size have been collated from which comparison of details is practicable.

With releience to paragraph 3 of the Commissary General's letter, reference is requested to

the orders assued for the encouragement of contracts for commissionat supplies

O In Commissary General's circular No 130 of the Sth of April 1861, executive officers are enjoined to adhere as fai as practicable to the contrict system, and in Military Department No 110 of the 6th of May 1875 published in Commissary-General's exceller No 79 of 1875 Government directed

the one of any 1872 periodical in Collimansapposited it is enterent not be not not a covernment direction that as a rule title lowest tender should be accepted if the secondry for its proper acception is enforced. The procept obstacles for wheat not actified purpose generally, compared with those for year alling and dicting stores is approximate from the streament in paragraph 3. With regard to times supplies, agency does not uppen to be a measure only resorted to where every effort to obtain a favorable contract It is not the ordinary point of the for defer fund contract arrangements until more for orable offers can he obtained, but after the first rejection of tenders to entrust the supply to unagent to the eneming year.

8 Although it is imputest that for these supplies there is difficulty in obtaining contracts upon

any terms it does not appear that enquiry has been made to ascertain the cause or to discover will call treators and declers are not as willing to supply wheat and cattle stores as to meet the requirements for

victualling E tropeans and ducting sick

9 The arrangements for some supplies appear to require special attention from executive officers with reference to the requirements of partial divisors as folder for elephants for instance, the expeditions. tine upon which amounts to a large sum Commissing General's et cular No 141 of the 17th November 1871 states with regard to this supply, that there is no objection to tenders for elephant folder being in ited for short periods and to the description required in each season being stated, with the object of informing the tenderers what they will have to give thus enabling them to fix more piecist rates

10 Alus order does not appear to be always elevered the invatations being generally for an annual contract and the supply is ordinarily estimated to the critic generally for the following year if there is no response to the invitation for tenders, or the rates offered are considered unfavorable.

11 At some stations there appear to have been no contracts for fodder for several years the supply being in the 1 ands of cittle gonustries. It is desirable that enquiry should be made at ether in such cases the cattle gonushta, being both provider and receiver, and having an interest in keeping the supply in his own hands, has not acquired an influence which deters contractors from responding to the unitations for tenders

There do not appear to be any sufficient reasons why wheat and cattle supplies should not be as readily obtamble as rice and other victualing supplies, and the strong opposition of depart mental agents who must lose by the arrangement must be expected. That contracts for them are not

generally concluded will be seen from the statement submitted with this letter

13 That agency rates are not generally as favorable as the rates of rejected or annulled tenders is not only the experience of this office, but appears to be clear from the statement forwarded to the Commissing-General with this office No 111 of the 30th of June 1875 Comparative statements are submitted with this office quarterly reports on the receive an ingements of the department regarding which the Commissivy General remarked in his No 631 of the 29th of January 1870 "I have kept them back for further examination and enquiry, and I shall, if there are no good reasons for the higher general rate situate evanuation rate engusy, that L suris, it there are no good tessess for the higher general rate, who are that the deviews of Georimente on the subject of neophing generally the lowest (nodes without reference to their being considerably higher than those of preceding year. If the statements assumitted all, preceived the rates generally is unling between repedied tesien and ageony rates. I come may furth in the advantability of ever resorting to the latter when a control can be obtained in grants shallow.

14 Subsequently, the Commissary General requested a comparative statement of rejected tender and agency rates for a whole year to enable him to form a correct opinion on the agency supply

шь	statement was farmence what the above quotes letter, and it showed the following is	esuits -
	VICTUALLING	
	90 Hear of agency supply— Instances in which the agency rates were lower than rejected or cancelled tender rules. Instances in which they were higher	16
		20
	DICTING	_
	3 Item— Agency rates lower than tenden rates Higher	3 3
	FEEDING CATTLE	
	32 Heat— Agency rites lower Iligher	7 25
		32

15 With reference to parigraph 4 of the Commissing General's latter, I have the hund to write that the ride which products a supplier being also the recover has been fully recogned in Generation and department) only of the chapter 127 of the chapter on contracts published with Commissing General a graphs. No 29 of the 186 of June 1892, it is stained that "no collect." a salary from Government is permitted in my way to be engaged in a contract or to he both supplet

and receiver "

and feed over the control of the 16th of Pebruay 1806, the Commissing General remained in that In control by which the purchasing agent is less the secondant of source opens of close to formed, one to strongly in the practice deprecated, that the creation the cets that given purchased by used for artiflety located for which the purchasing agents would not be the eccontainty should be delired, the golden rand the reason and formed the golden rand the reason and formed the golden rand the reason and formed the golden. The furne piles a site position that the reason of the golden rand the reason and formed the golden. ment No 295 of the 7th of Junear, 1873, in which Government direct that puricy ors shall draw then supplies from contractors or departmental agents, and that the commission officer to hald re sponsible that there is no only gement on the permission for purceyors to mile minor purchase only

10 The supply by agency of stores for victuribing Europeans in I dicting housest unde ribb as computed with cont not irrangements does not uppen to be open to the same objections as the as compared active on a strangeneous uses now appear to be open to the strine objections assiptively against of where one girrun, &c. for earther. The supplies for vicin illing and defined do the regimental miliporties, whose waknowledgments are required in appear of the next set of the property of the next set of the property of the next set of the property of the next set of th

It is not understood what all though labor would be involved in the supply of stone by an agent other than the receiving gomeshir, nor what advances would be required which are not non and

19 The Commissary-Coneral remarks that all engaged in the agency supply would not their profits, but, as their need in no instance be more thron one supplying regent, it is not impricat to whom the Commissive General refers unless he includes the victualibar, and cattle gones is when duty it is to receive the stores, for which dity and for their distribution they receive solutie from Government

10 A rep stiply with its varying rates the cheef of which is regulated by beel proceeding involves all kinds of the control of the state of the stat

and although the men duction of the change would probable menter regions a flort on the part of executive officer in the unfurtion of a system which deprises agen's of large profits the change would eventually afford much relief from the clerical Libor in executive offices to which the Commission General where

Supera rather 20. That the apply is not effected so advantagement by comman and gomesticm is due then the distribution to the distribution of a distribution of the comman and Graen by the consistent with the contribution of the comman and purchase in the rather than a distribution of the consistent of the contribution of th

conceded, but such concession does not uppear to me to afford any fair ground for frenhtning the acquisition of illicit gain as for the employment of agency where the simply is obtainfulle on more advantageous terms by contract

31 I do not know what estable streets past by the gourachies are referred to m principals 5 of the Commessing Seneral's result, that not a more would care to remain in comploy it these agency purchases were withdrawn affords some explanation of the difficulty of obtaining conducted for the supplies in what there are not explanation of the difficulty of obtaining conducted for the supplies in what there are rees can be secured by more beginning indiscensive. That existing arrangements for supplies are opposed to Government and deput inscular orders is, I think, manyatable, and the subject was therefore brought to potice by this office.

Detract paragraphs 78 and 84 from Annual Report for the year 1874 75

CATTLE SUPPLIES

Para 78—Accompanying statement N shows the items of cattle stores which were supplied by contract and agency during the year

It will be seen that, the supplies were made in the great majority of eases through commis search agents, who are frequently incenters to nell as purchasers of the stores, and whose purchase rates are checked by lead purce current.

The following detail shows the number of contract and agency arrangements for this service in

the year -				-	
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Barley for horses "	Contracts Agencies	22 22	Podder, gr∗en	· {Contracts Agencies	. 4 . 80
Oats for horses	Contracts Agencies	3	Grass and straw	· {Contracts Agencies	4 16
Gram for bullocks	Controts Agencies	4 28	Hay	Contracts Agencies	1 12
Bhoosa	Contracts Agencies	4 20	Atta for elephants	· Contracts · Agencies	29
Dhan or paddy	Controts Agencies	10	Rice for ditto	{ Contracts Agencies	10

P.A. 84 — With each conterly report a statement was submitted by this office showing the stations at which the rates of agreey supplies exceeded those of tenders which had been rejected, or contracts which had been annualled

STATEMENT N

Statement theory what entite supplies were provided by contract and what by ages of in 1874-75

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The wit S to then 1529 CALCUTTA

Examiner of Commission it Jecounts G J DALRYMPLF HAY, Colonel,

Colonel R Q Via awarran Deput Commissary General Ass stant Madros

In the interests of Government I am axes e to the contract system for the supply of rations In England, where people in trade have large of the supply of the second many out to the general public a large supply of the articles regund, the system may make , but even there Sir Charles Tievelynn, when Permanent Scenetary to the Treasury, gave

evidence before the Pullamentary Committee in on 1850 that, " where the contractor, the most silesran, and the butcher investor gain there profits from the rule the article supplied must be vow or of dever. I am credibly infounded that the departmental supply has been of Lite adopted at the cump at Allershoft, much to the other profits of the companion of t contracts in favor of work by their own servants

The control of the co In this country to enter into a contract (except for rum, ten, mait honor &c , and other large, but

Sir Randolph Routh who was commissivy general to the army in the Peninsular war under the Duke of Wellington, gives it as his opinion that the contract system is not suited for non commercial countries, as it leads to combination instead of competition. This is certainly the case in this country In Bang dore in air 1804, the few nich people transacting business with the commissaint department combined to throw up the brend contract and to re tende for a fresh supply at double the price. The Government established the bullery, and bread has been kept at its normal piece ever since. Here the bread and meat contracts were curred on well and at apparently a fair once, but departmental supply having been established, the saving has been great, though of course at an increase of work for myself and the department

L sutenant Colonel J V Hunt, Deputy As atout Commis ary General Bangal

Contracts are advertised for all articles except bread and meat. I do not think that the supply of either of these articles can be satisfactornly effected by contract, as a rule, but it would be advantageous, in point of economy to invite tenders occasionally at different stations in rotation, as a check to the tendency which exists of gradually increasing

The system of firmang contracts I than a needs looking to It is combersone, and affords opportunity to deaks to throw I indirected in the way of tenderer homeout-money has to be paid into the on all treasury, and the recupi attached to the tender. The system is so compleated, that a long time chapter before the carnest money of unsuccessful tendeners can be returned

A system of 1 utting contracts up to public suction, and of seturning all ea nest-money on the spot, excepting that of the approved bidder, would, I think, improve matters

Major H A Rowlandson Exam-ser of Commissurat Accounts mer of Bombay

The contact system is in force in this previdency for the supply of all uticles purchased in the country, and departmental agency is only received to on new one-consistent here. Two able to detail a nature see ed for the contracts advertised. There is little difficulty experienced in obtaining tenders for contracts for supply of almost every article required, and it is found that the rates at which purchases by contract are made contrast favorably with both the current market rates and the departmental agency

Major W Loellardt Deputy

A contract system has its advantages and disadvantages. In the Bombay presidency the contract system is carried out to the fullest extent, and from my experience in many stations in that presidency the competition for these contracts is so Lean, that it is one of the constant difficulties a commissairet officer has to contend with to I cop dealers who have talen continues at unremunerative rates up to the mark in their supplies, for I may mention that in the interest of the continue system it is considered anadyisable to put an end to a contract without absolute necessity demanding such a step

I am informed that this eigeness to undertake commissionat contracts does not exist to the same extent in the Bengal presidency, but with no liel in competition. I consider the continct system to be the most adv ntageous one to Government from an economical point of view The dead antage which the contract system curies with it consists in the department being taught to depend too much on contractors, and that it loses in consequence that self support which is of such importance in times of win, when contracts cannot be obtained and the department has to shift for itself

Colonel J P Hobday Paccutaro ussariat Officer Landahar

No, I think not It is used in almost all cases where large expendi-ture is incurred. But it is resy necessary to have agents capable of taking up at short notice my supply in event of the failure of a contract which very often leaves an executive officer in a difficult position

Are there not some stations at which commissarint commissioned officers are now employed which are not sufficiently important to necessitate the employment of a commissioned officer ?

Colonel J I Willes, Commissity General, Bengal I that not There we several stations held by warrant or non-commissioned officers where there should be a commissioned

(908)

Colonel B A Morre I Commissary Ge eral M draw Acting

Heuterant Colonel W W Willoughby to General, Bombay

A conductor is in charge of the department at Moulmen, and a deputs commisers at Virigiputum. All the other stations when commissioned officers are employed are places of considerable important

There are British troops of more than one arm of the service of each of the stations where a commissioned commissionat officer is employed in this providency, and it is desirable in the interests of Government and of the soldier that the communication along ements should be super in by a commussioned officer at even the smilkst of these stations "At the present moment, and for some time past, owing to provide of officers and through the exigencies of the service, unportant posts life the dipolish Diolain (a great centre of network during the trooping season) and the executive charge at Ahmedingar have devolved upon warring officers, and however efficient these men may be, I consider they are playd in a false position, as the responsible ies imposed upon them are out of all proportion to then status and salars, and that in justice to themselves and to the State, they should be replaced as soon as possible in that proper sphere of duty

Colonel T H S'bler Deputy Commissory General Burgal

The smallest executive charge is that of Darjeeling, and the passass of an officer at this station was considered necessary owner to the difficulties of obtaining articles of capply, and because it was on the north eastern frontier

Colong! 'I J Brander Offe at any Dep ty Commissary General Upper Circle

No, there we certainly some stations of minor importance as our pared with others, and it might appear that at these commissional commissionat officers are not required. But my own expensive h tinglid me that Go extiment is decidedly a pecuming gener, when he most reliable supervision is excussed over exponditure, the diff rence of a commissioned officer's pry as compared with that of a subordinate long irilling in consideration of the expenditure involved and the grait efficiency council by the presence of an officer

Colonel J Rece Deputy Com mounty General Loue Curcle Bengal

I think the department is much too weak in its commissional of cers as well as in its warrant and non commissioned officers and strong ly recommended that its present number of all three grades be ment The norl would go on at such stations as Ben ires, Dinapore, and Diraceling under narrint off-

cers, but letter introgenaci in the freelow greet economy in gift to looked for more commerced officers. Nor would the erring cheefed be so greet, as it would cause an increase in the light gift of warrent officers, whose pay was form Re 110 to Re 500 A and a session to commerce a result of a conversion of the control of the control officers. of a commissioned officer it is not too much to expect that he would save Government more meet, monthly than the small cases of his pay over that of a warrant officer These small charges are good schools for young commiss mai officers

As warrant off core are not allowed to alrew cheques, it would be most inconvenient. For the

stance, D receing and Disapere are at too great a distance from Calcutta to be managed from that place with efficiency and Culentte line alreads enough to do As it is, the number of others of all grides is not more than what suffices to carry on the work

in time of place

In my circle, Cilcults is the only piece which has m officer of the department in clurge. All the other statums are in the hands of acting men, who must depend much on them head vitable. (generalls A tises) and their warrant or non commissioned officers—not a describe state of affine where so much money is being expended. It looks like economy, but obviously it is not

Colonel C & Mactern Exputy Commissing Co and Salent to minimat large of the higher and horas Isrrea

I how of none On the centrary, I have fixe states in French — James Acasems 1 rad and States, and Dill — garriers for the Large may district and study for the machine large in a state of the machine large in a state of the state of Large in the Market Shahkh impect, and Lorde et al. the depote of Large in a state of the machine in the Large in the Large

Colonel C J Dalrymele Har Pann er of Commission Accounts Biograf

The smalle t executives are Benares, Dimpore, and Juliandar in a outposts are attached to each, it do s not appear to be admind to alice the charge of the executives in the hands of other than

Major W Inchhardt Deputy ssistant Commissary General Lusastant

Capia n J P Hebday Faccutave Commissanat Officer Knodahar

My opinion is that the employment of a commissioned officer even in a comparatively small station is found in the end an economical incosure Moreover, by placing junior officers in charge of these stritions, they become littled for the more important stations and posts in the department

Many such stations as are referred to have been made over to warmut officers during the last few years or , Sitapore Sauger, Fyzabad, Bellackpoie Jhansi Shillong &c Perhaps out or two others might be added but it must be remembered that when the office at any one state on a reduced stonly has the effect of throwing more word on the next nearest executive. In this way of late years the tendency has been to nonesse the work at large central stations, and it I as become so heavy at some, such as Peshamar, Rawal Pindi, Mesn Meci, Lucknow, Jubbulpore, &c , that it is beyond the power of one officer to do it satisfactorily and a failure in health is generally the result of attempting at alone By doing away with officers and their offices at out or small stations, it only necessifates an increase of work, and consequently two officers at the large stations and these two officers cannot be given owing to the small numbers of the department. The work is too much for, and soon wears out, one man

4 (a) What is the cost of the personnel of the commissaniat department at each station?

(b) Give a detail of all officers and persons employed at circli station under the several heads, "Supply" "Transport," and "Accounts," and the daily duty of each rank of officer subordinate, and employé (European and Native) in the department. and of both permanent and non permanent establishments?

(c) What is the average number of Europeans fed at each station?

Colonel J I Wiles Comma (a) The cost of the European personnel (not including office establishsary General Bengal ment) 15-

1 commissary general (consolulated) 3 disputy commissaries general, staff salary at Re 1 000 creh 4 mssitutio commissaries general, 1 ste class, staff salary at Re 800 coch 4 m m f 600 m 6 deputy assistant commissaries general, 1 ste class, at Re 500 coch 6 m and 1 m m m m m m m m m m m m m m m m m m	Per month R: 2,000 8 000 3,200 2 400 8 000 2 400 5 600
8 0ml 400	
8 " 2nd " 200 " 8" 150 "	1,600
	1,200
1 deputy commissiry (consolidated)	500 875
1 resistant commissary 4 deputy assistant commissaries at Rs 300 each	1 200
20 condictors at Rs 160 each	8,200
55 sub conductors at Rs 125 each	4,875
95 sergeants at Rs 64 9 each	6,133
Total	38 683

(i) Each deputy commissing general is in charge of a circle of superintendence. An executive commissiant offer is in charge of each executive range. When available, one is allowed as assistant to the more important executives, such as Rechward, Enwal Lindi Mecan Meor. Lucknow, use the more important outposts &c

The manner of the employment of warrant and non commissioned officers is shown in the annexed statement A (crealty No. 20 of 1865)

Detailed rules for the guidance of non commissioned officers on command are contained in annex-

ment B (circular No 212 of 1877) The numbers and solaries of all other establishments employed at each station are shown in nunciments C D, Γ and Γ Cittle after lants are not included, as their numbers depend on the numbers of cattle present to which they are allotted on fixed scale

A movment to contains rules for the guidance of gomeshirs, and manexment H those for the guidance of purveyors, the only classes for which rules are necessary, the others are not usually able to read or write

(c) Statement marked I sunexed, shows the average number fed at each station during 1877 75

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Circular No. 212, dated Fort William, the 28th November 1877.

In continuation of Cucular No 157 of 1877, the following is added as No 9 to the Last of form letters and supplies can be obtained from the Supermitendent of Government Printing Letter of instructions to sergeants proceeding in victurilling charge of corps on the much

> L W CHRISTOPHI'R, Lientenant, (Sd) for Commissary General

Ac

Letter of instructions of Sergeant victualling charge of

, proceeding in on the march from on the

with the 1 The victualling gomeship

has been furnished with printed instructions and estimate regarding Comes to his ducks on the much, and which he has been instructed to produce

for your peansal when demanded

You will observe from the letter of restructions what articles of rations and diets are supplied by departmental agracy and what by contract. In the case of failure on the part of contractors, you of the gomeshta sustructions, and report the circumstances of manismuch officer at and to the undersigned are to be guided by paragraph the case briefly to the executive commissional officer at

8 The bakery is under charge of the victualing gomeshia, and you will be careful to see to the preparation of the based daily, and that it is issued in a cleanly state, and that the establishment attending the ration-stand appear in clean

clothing
4 You should pay perticular attention to the yeast, to ensure its regular and timely overlange, so as to preclade the possibility of the head suffering in quality. The more lineading the dough gets the better

5 In the event of regeton of head on the merch, you will be guided by pringraph of the gomaints' instructions regarding a firsh supply, or a sabstitute of source and flour in a headed state of Condemned blood should be issued to elephants (should there be only noth of the

m hen of atta or rice or to bullocks in hen of grain. Should there be neither elephants nor bullock present it is to be dispered of to the best advantage, and the proceeds sale handed over to the gomishta

7 The cost of bread sold to soldiers or then fumbes, which is to be recovered by the gemashta per 16 , and for bread sold to redivid rils at time of sale, is

The meat arrangement of the as under change of

who has also been furnished with metametions regarding his duties on the much, and which he has been instructed to produce for your

porusal whon necessary head of crittle and sheep calculated to last to . liave been made over to the agent, which you re to respect before you march for the first encamping ground He will obtain further supplies from executive officers on route, if necessary The cole of fouder for these cattle is for-

Cows 1

Sheep 10 The critic should be driven slowly from stage to stage and you should be purhould in soung them watered and feel daily, and also to see that the mater given them is good and sufficient.

Il You will leep the accounts of the cattle and sheep shanghtered, the nations issued to them,

11 You will ten the recents of the cutte and samp arminuscus, the control and the outlant of med, in the forms becenth sent you are, Accounts too 20 and 30 to 12 files eccounts, together with a stricement-boung the assac to provide parties should be sent by won to the executive communicative officer at

soldiers and then frimiles, which the gomeship should receive at time of asse, is forper lis

Beef Mutton per 16 and for sales to individuals-Beef per lb

per lb Mutton 13 As the mixt will probably keep good for a day, any behase remaining a hand after the day's asset should be assed the next day. Small definements of being should be made good by balling one or two sheep if communiting officers is not object.

14 In the event of rejection of ment (which ern serred) ocean of the critic are examined by

you daily, and fed in your presence), the generalita is to pay compensation" at the rate of

that being the last rate, plus per cent. The rejected meat should be sold by anchon in the best way possible, and the amount realized handed over to the meat agent. Meet rejected and pronounced unwholesome should be destroyed in the presence of a member of the committee

The following arrangements are made for disposal on the march of hides, skins, &c --

Hides Offile $\begin{array}{l} \text{Sheep} & \begin{cases} \text{Skins} \\ \text{Offals} \\ \text{Surplus mutten} \end{cases} \end{array}$ Cows 1 leet Bone Surpl Benes Surplus meat

^{*} Commissory General's Certain No 40 and General Order No 151 of 1873

Articles apposed of by emitrict, if not follow over duly by the contractor, should be put up to and the accept encountry ground. If the lade do not fitch proper prices they should be dried, and taken to the next executive a reasonal made over to the commission officer there if rules and If You will be particularly exclud to e that the public cattle

relebilis me tr with the are properly fed and watered and

that their duly rawns as follows, me given them in your presence -Flori mts

Bullocks

The netual decrep ion and quantity of fodder given should be entered in the monthly infining

17 Instruction for the care and minagement, &c , of elephranis are appended for your guidance The camels on public command vith the should be inspected by

If fall not all movables bearing such the movement should be the more than the movement of the continue of the

curred out and also that the proper number of strains re- one to every three eamels, are three pre-out

14 Currence for her idetail and sugar is to be discharged immediately the load is consumed 20 Government curry use is on no account to be used by contractors for curry as of their supplies

on the murch 21 A detuil) of carrage and establishments with the is attiched, and you will see

that ill of them are present dish at each encamping ground. An advances or charges made to or in the c t blishments are to be duly noted on inthin made appertining to them under your signifiance

22 Any cirring. So, di charged et mite should be paid up in your presence, and a certile ale enford on the relation his thereof, showing amount paid and date of discharge

23 A n will resist the gomeshita in obtaining daily and other indents riquired by regulations to support his direction of the march, and you will be particular in some that the netrol quantity of articles purchased duly, the prices baid, and full amount paid, are entered in all neaknamels, or price curs at obtained except

24 After sound every morning that the barriel and hospital requirements of the camp have been full supplied, you will proceed, with your clabb hunert, in red neo to the next cump, and arrange for all requisite supplie, so that the 0 000

troops on reaching the next eamp next morning in a find everything in readin . s for them 2. You are to have a court of enquiry as end led on all los or damine of Gove mineral property exceeding in value Re 20 and formard the proceedings, with your own ob reations, to the executive

commissarint object at destination

26. You should on all accessions when ananthorized supplies are all ed for, or when unauthorized expen hime shall have to be mentred, obt in the orders of the officers concerned in witting

27 On your irrival it executive with us on route you will immediately report your elf to the executive flair, in view to the earth, and stone with the regiment being inspected, and arrivements mail for fre h supplies (if nee are) for the annard much

25 The wood of signreal such ment to die to be utilized as firewood for ratious or for billery,

and the non-hears are to be deficiend to the commitment gredowns a route
29 It is heard you will use your best contensous to give soft feetion to the commissioning and med all o heers to charge and that you will pay due attention to the wants of the latter, and also rec

that the prevenor office describbly to be done All rep rise unected with the reach of the ti .

(need he report the led) un, to be at I a son to the executive officer at S to nery and po togo stumps, a foll we are homewith sent you for use on the man h, any Irlin of whi hir ma ming on hind aft rithe march is to be made over to the excentive commissional officer at de tuestion -

I tremar Cas manter O tier,

Assets t Community General,

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No. 2395, dated Fort Wiffiam, 23rd March 1879.

From Mater J. Brenner Shith, So Commissary General To-The Deputies Commissory-General, Lower, Central, and Upper Circles,

I have the honor to forward ten copies of a compilation of rules relating to the Native agents of the commissariat department, and request you will, in communication with exemptive affices in your circle, call for suggestions of such additions or amendments to the rates as are home out by orders

your crease, can be suggesterned as traces measures or amenaments to the rates as are some our systems or other matter that any add to their completions.

2. The utilities and manufaments may be made on the repy of the rates and it could executive contains and other, for which purpose they have been printed on half margin; and on return by order contains and other, for which purpose they have been printed on half margin; and on return by order executive commission of the order of the copy of the biling was will place. General to this office a copy of the rates annucled or noded to by symmetric with reference to the suggestions, on any receive.

Rules relating to the Native Agents of the Commissariat Department-

- 1. There are to be three classes of gonnatalo, consisting of lely fail, and 3rd class, healdes the special class of depôt godown gones lab and field purchasing agent.
- Scenity to be for let class and the special class of depict genoving generating Re. 1,200, and 3rd class Re. 560, to be in each or Government Estador. promisent notes
- 3. Salaries to be for depht godown gomestales Rs. 75, for 1st class gomestale Rs. 50, 2nd class Hs. 40, and 5rd class Hs. 30 per mouth, with batta at 50 per real, of Palatin s refuse when proceeding on command (with thoops, cattle, store (he) except when the whole journey is by tail,
- 4. Cattle govern take of let class stations and all station and godown generation, also victorilling Confinite-First Sec. general measurement depile, registrate, as single of combiner to the process plants are single of combiner to the process of the proces points take with parties of Lange on trage of whatever stough, to be of the 1st class.

 5. The 2nd class to consist of earth generating of 2nd alonest under mid-long plattering of ortile.
- S = 1 des.

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Thurd class

6 The Jul class to convest of all other command, critile, &c . generatalis, and victualling generatalis of troops of less strength than

100 Europeans

Cattle or station generate and lected more for their influence amongst Natives These men are Cattle and station gemastahe need not understand English generally down from the malayun and Native bruker class, and in a time of war are expected to be able to aid materially in the economi-

cal collection of supplies

Solution of supplies

8. Godown and retunling gomestwis should understand, read, and write Laglish, and be able
down and retealing Gomesmost tree Eaglish

particular class, but must be respectable men, and men respected by Godown and vicinalling Gunastabs must know English

Catile command generable who not required to understand Lagdach, but must be able to keep Catila command generable seel sections in the verticality, if not in English, and must worder their not know English and know English at their own excess.

10 There me to be two classes or purveyors, consisting of 1st Purveyen and 2nd class

11 Security deposit for 1st class to be Rs 1,000, and 2nd class Secretar

Rs 750

Salames to be let class Re 50 and 2nd class Rs 40, with house rent of Rs 10 for 1st class and Rs 7 for 2nd class, also batta at 50 per cent of salary when Robinson bairnes paoceching on command with troops except for the journey by rail.

For divisions of artillery regiments of evenly and infently and convolucent depots, wings

of regiments and a force of artillery consisting of two or more batonsurement terres, let ches purveyors are allowed. For separate butteries of autiliery, and for all detachments of European analty and infantry with which hospitals are estab-

lished under medical officers, 2nd class parvoyers

14 Command parvoyers are to receive pay of either 1st or

Command 2nd class, as may be saucheared

15 Purveyors must be able to read and write, and render accounts Knowledge of English necessary

m kaglish 16 Statem or entile generatable will be appeared by the commissury general, all others and Aerhe ity with whom uppe stanet commissurate of generatable and pure year next executive commissurate officers. Appearances by deputy commission generates by deputy commissions and pure year next programment of the commission o or general and on pure-or rests

general will be reported to commissing general for confi mution and

appendiments by executive commissanut officers will be reported to deputy commissany general for ominanties, who will report the erims to the commencery green! All agents newly reported will be on probation for six months and will be confined to not according to the report received of them.

17 As a rule, agents should consider themselves hable to be transferred to mother statum since

As a rule, agents should consider themselves hable to be transferred to mother station once in every three years. But it tests with the commissive general to modify this rule at all times, according to the exigenous of the pub-

hs. 60 yate 18 Such transfers should, as far as as possible, take place on the lat of the month, for the sim-

philication of accounts 19 To enable agents to render their accounts momphly and to mad up their offers, 15 days as a maximum, besides the distance time between the two stations,

Accounts will be allowed them on full pay any temperary vector by this created being filled up during the interval by the executive commissant officer or officers concerned As generally, especially eattle agents have frequently to enter into airingements with traders and agreentments for their supplies, such notice as may be Gomestriks agreements with trapracticable to emble them to terminate or transfer such agreements

rall be given them 21 Transfers within the once may be smechanical by the deputy commission general, subject to continuous and transfers from one order to the only to continuous and transfers from one order to make the one of the one of the order to be one of the order to be one of the order to be order Authority to exaction transfers

22. When transferred on the public service, on emergency, or nordinary periodical relief, bendes
the full pay during the authorized period for the relief, the agents will
be entitled to free passage by red, Sad class for themselves, and Srd
we stames. Terreling expenses by and read, or tiver steams

or tree steamer class for one survent, also two mounds of luggage for themselves, and half a mound for the servent or 4 apres a sude when textelling by road. By river steamer they will recen è und class passage and passage for servant 23 If the transfer takes place on provide grounds, or by mutual agreement sanctioned by proper

authority, both reheving and reheved agents must make their own Transfer on private grounds nangements 24 In all cases of certified illness readering a transfer necessary, Transfer on account of illness

such transfer shall be considered as on public grounds 25 It is to be understood that, under the ex gency of the public service, an agent can be ordered

26 It is to be undestined time, moner time expansy of the press service, an agent occur or encount in Transfer for a father or change, but in such cross, trained to me of the control of the service of

penalties of their agreement

(919) Appendix IV

5 He is under the direct control of the executive commissariat officer, and should carry out his

orders explicitly

6 In the creat of contractors tendering inferior copplies of any kind it is his duty to at once bring the same to the notice of the cattle sergeant, and, subsequently when office opens, of the executive commissarint officer himself

7 When there are no confractors, the supplies, as a rule, will be arranged for by the critic gomestah, and he will be held pecunianly responsible that they are of prescribed qualities and of full. weight or number &c, and that only a proper price be paid and charged for them.

8 He should see that proper with is kept in the cuttle lines day and night, and report anything aimss, without delay to the cattle sergeant in the first instance, and subsequently to the execu

tive commissarint officer 9 He will have the appointment in the first instance of cattle attendants and menial servents,

subject to the approval of the executive commissanat officer, and he should be careful to engage and retain such only who are respectable, honest and saited for their special duties 10 He will see to the correct and ponetnal preparation of daily reports and returns and monthly

vouchers

11 He will be responsible for the correctness of the Government scales and weights used under his charge

12 The critic attendants should be paid by him in the presence of the cattle sergeant as soon as funds are placed at his disposal for this purpose by the executive commissariat officer and he should carefully keep up in requititince roll book, which should be filled in in the presence of the cattle seigeant at the time of payment

13 He should attend the cattle base at least twee a day, se, morning and evening, at grooming

and feeding time.

He should be careful to report at once any appearance of sachness amongst the eatile in the
first three to the cattle segment, and subsequently to the executive commissariate efficier.

15 He should report all evanulties at the efficie the day they occur and account for the index of

are trummed 16 The cattle gemastrh should be careful that the Government bullecks are properly branded,

and that the marks or brands are renewed when necessary He should pay special attention to the elephant fetters, that they are always in good and

serviceable order 18 He should muster duly all Government eattle in their lines or at the station, and report

all deficiency or irregularities at eace to the cattle arrecant and to the executive commissurat officer.

19 He should arrange for the equitable distribution of dates amongst the cattle and their

attendants and see that the Government bullocks are fairly worked and not over much 20 He is to carefully obey all orders assued from time to time by the assistant commissarygeneral under whom he may be serving

L R CHRISTOPHER Colonel, Deputy Consumary General Contral Orrele

APPLNDIX B

DUTIFS OF DEPOT, GOLOWN AND STATION AGENTS (IN ONE PERSON)

For station duties, see Appendix A.

2 He is personally and pecunically responsible for the safe custody and condition of the Government stores &c , mder his charge

3 All Government stores &c , should be kept under double lock, one set of keys being in the custody of the warrant officer, and the other set in his charge

He should inspect the stores and stock daily, uded by his establishment, and see that they are

in good order, free from vermin or white auts, &c , and that the rooms are properly cleaned a. He should implicitly obey all orders he may receive from the executive commissaint officer, and all depirtmental orders or tales and regulations laid down for the propia enstody and disposal of the Government property committed to bis charge

6 He is required to keep the godown books in English, and according to prescribed forms punc-He will comply with all orders as to the repairs, renewals or replacement of stores or stock

All registers or ledgers should be posted duly, and balance signed to as correct

under his charge, and also as to the procuring of supplies on stock under written orders, and in all such mutters he must use vigilinee and practice economy, doing the best he can, and at the smallest expenditure possible S He will dairy and punctivelly render to the executive communicants office, on the dates fixed, the monthly executive under the dates fixed, the monthly executive under the monthly executive under the monthly executive under the manner prescribed for his godon of the dates of the dates of the will report may in regulations and whether kind he may observe first to the warrant officer.

in joint of age of the godown, and also to the executive officer

10 He should solvert that all orders of importance or creative of expense be given him in writ-

.ng, as nathout such written order has charges cannot be admitted

1. He will see that the godoun establishment perform their several dates, properly, and with integrals, reporting any acts of mestabolishment performs the research dates, properly, and with integrals, reporting any acts of mestabolishment or car becauses &c

12 He will att ad the excentre office only when required to do so
13 He is responsible that none but correct measures, series and weights are used in the godown

APPENDIN C

BUTH OF VICTABLENC CO AT AR

He should stiend built at the ration stand and he-quital at presented har-, and supermore t at the former the neighbourt and dis ribution of the duly ritions. At the ho paid schild all rate his Le, should be nor here to the purveyor, and havecout taken on delasors 2. He will be responsible for the Government and contractor's stores made over to him and

duly recount for the same in a duly men fer, and at the end of the month, in Inglish, in the forms

resembed for his account a which should be given in on pre-cribed dates

? He should see that the dry store-troop is kent clean and in good order, and carefully yents lated every morning

I He should cause all grotumes to be weighed out at time of is no be fixed seed and in

responsible for the correctne set the weights and scale

5 The victualling gamestab as well as the victualling a regard should both by pre eat at the come and shutting of the dra store rooms and during the whole of the interval that this is oven One key should be kept by the victuriling gomestals in his own custody, and the other by the railmonth authorates. All doors that are not barred from in ide should be furnished with two good Lughsh locks

Largent means 0. The meta-thing generate handle be extend not to expose for in bots, but should keep v_i , in the other does in proper cases or recognitive map and for the purpo v_i and all state take no the ration stand, δv_i should be so in small boose or can be suitable for the party c_i and not in big.

He should see that a sufficiency of pure clean send is ready for the filter when required He should bring to notice any arregularity he may observe, a porting it both to the entirely in trailing

Ŕ rergerat and to the executive commissions officer

If e should be exceled to obtain duly milents and necepts for the rations in quined and neturally teach, color in particular.

10 He should require all one best erective of expense to be given to him in writing.

11 As he is bell it possible? I the disc accounting of the slower has in reference in the properties.

neights a sail of tiblishment generally should be appointed by himself, but he not the careful to loca up the number he elarge for 12 He will aften I olice when required by the executive commission officer, and if neces ary

geapt as a chil in the effect

1. O are most tree-danger Timope or to mother prouden a, &c, the nonintial inthin establishment will be true-form by the r laxing regim at, tong granted free ruly is or their mil truelling allowings to and be them to your their new cap. There will excise full pro during the interval, as in the ease of other regimental e tablehim nis, quarterna ters &s 11 Artillers _our is the will belong permanenth to their stations and if it mired to move with

latten a will return to their programmal althouses the expension of the command at Constrained expension like will, however, be lable to be transferred to other state as

1. The victualing gone tak should ober all order received from the executive enumerant officer, and comply with all rules and regulations buildown for his good mer or for the comfact of his duties

11 Nothing should be supplied without an indext properly authorized and no transition expenditure should be more boutless and more in interest and in a statement.

17 When the sectoral many most it may be regum I to no verend reconcessores be should do so promitte and of traverile I met talls for the rum at to shore at the treasure, according to be as we prompted the control of the co

perform required the competent of the performance o frommorn is created the if the month is je tracked, is a ill will not be nor under in Linguish as jee embed bile to date in flore sidely entported by the cand all ne c 23 touchers

> L R CHRISTOPHIR, Clerk Be, by Com in the General L. 6 416 100

(921)

APPENDIX E

DUTIES OF PORTELORS (HOSPITAL)

See the rules (orde Carcular No 68 of 1877) for the guidance of purveyors which appear to meet their case

L R CHRISTOPHER, Colonel,

Deputy Communicary-General,

Central Circle

H

RULES FOR GUIDANCE OF PURVEYORS

I — Consideration 1 There are to be two classes of purreyors consisting of 1st and 2nd class

II --Qualification 2 They must be able to read, write, and reader accounts in
English

III—Scenty.

3 Security to be for 1st class Rs 1,000, and 2nd class Rs 750

4 These men will be under the control of executive commissionate officers, by whom they are
to be appointed, subject to approval of deputy commissivy general
of the control.

V-Lathlument and appears of the circle

V-Lathlument and appears of They are to be apportuned, as far as practicable, as man.

let clear participes —To divisions and brigades of artillety, regiments of cavalry and infantry,
higo convolutional depots, a mage of regiments, and a force of artillety consisting of two
latteries

Sud data practiver —To separate britisms of artiflery, and for all detachments of Daropean earning and animately unlik which hospitals are established under medical off sees. A reserve of 15 per cent to be kept on actual number of posts of purveyors for miscellaneous wholes.

C Thou establishment will be as follows -

	Regiment of infantry	Regiment of caretry	Bergado of royal art litery or royal lorsa artille y	Batters of regal antiflery o royal horse art flory
Pitropors seriable Clodier Tudor Had semen	2 1 2 1 lead and 4 ordinary	2 1 1 herd and 2 ordinary	1 1 1 head and 3 ordinary	I lis one 1 head and I ordinary
	And in proportion be sancted	for parties for such ped by the Deputy	Her strength and fo Inspector General (e sanitana as may of Hospitals.
Poon	1	1	1	1

The pay of clothers, taken, taken, and washermru, who are 2nd class bountal sevents, will be fixed.

Controller of Midney Accounts by the commensarial department according to crounstances of subtricts to 68 in 186 and 187 and 187 and 187 and 187 between the control of the con

8 In cases of detachments from European ergs with which the full est-blahments as presented Medant Code of 1850 Chapter Xf for regemental hospitals, responsively, we muritumed, proportions of seeds class permat, to be farmated from the permanent begain stablishments of corps are each class permat, to be farmated from the permanent begain stablishments of corps are exceeding Where, however, the requirements of detachments from the same corps exceed the exhibitaments available, application may be made by the mederal officer to the deputy suspecting gueral of hospitals of the carel for social extra establishments as may be shown to be absolutely necessary.

9 Perveyor's establishments will not seconageny troops by rail, if it ey are not to be attracted to the troops often arrival to destantante, incl. at the approved of the method officer, be dreshriged but it the method officers owise the establishments to recompany troops, the purveyor, as such ever, should obtust the medical officers awritten owiers and if the pursury by rail does not to manate at destination, but is followed by note name, the purveyor we dishineatts will recompany the troops to destination.

out is minored by lone march, we prive your see a measurem and recompany the troops to destination

10. When troops quiting a statem we released by troops to which no purvey of a establishment,
is attacked, the establishment of the departing coups, if not required to accompany it, may be retained

to do data with the relieving corps

11 The permanent purispors and the establishments of regiments because the presidency or
going bosse will be kept on pay until appointed to mother regiment. In the same manner as quartermisters and other regimental establishments ore, maker the provisions of G O C C No. 150, dated

2.5th June 1870

12 Stiarues to be 1st class Rs 50, and 2nd class Rs 40, with half salvry in addition as N-Per batts when on the march

APPENDIX C

DUTTES OF VECTOALLING COMASTAL

He should attend dealy at the ration stand and hospital at presembed hours, and supermitted In estimate some way a low reconstruct of the daily retinons. At the heaptles up-offers at the former the weightnest and distribution of the daily retinons. At the heaptlest such duly rations, &e, should be made ever to the purveyor, rud his record taken on delivery.

2. He will be responsible for the Government and constructor's stores made over to hum and

daily account for the same in a daily register and at the end of the month, in English, in the forms prescribed for his accounts, which should be given in on prescribed dates

3 He should see that the day store-room as kept clean and m good order, and carefully vents

lated every morning

4. He should cause all greeners to be weighed out at time of usue by fixed scales, and is

responsible for the correctness of the weights and scales

5 The victualing generatal as well as the victualing sengent should both be present at the pening and shutting of the dry store rooms and during the whole of the interval that they are open One I ey should be kept by the vistailing gomastih in his own custody, and the other by the regimental authorities. All doors that are not harred from inside should be furnished with two good English locks

6 The victualiting generalsh should be careful not to expose tea in bygs, but should keep it, sail the other stores in proper cases or receptables propried for the purpose, and all stores taken to be ration stand, &c., should be so in small hoves or causates suitable for the purpose, and not in bygs.

He should see that a sufficiency of pure clema sand is ready for the filters when required He should bring to notice may irregularity he may observe, reporting it both to the victualling

sergeant and to the executive commission officer

9 He should be careful to obtain daily indents and receipts for the rations required and actually

issued, duly and punctually

sepect, only was perconary

10. He should require all orders creative of expense to be given to him in writing

11. As he is held responsible for the due accounting of the stores in his charge, his peen and
weighness and establishment generally should be appointed by himself, but he must be careful to keep up the number he charges for 12 He will attend office when required by the executive commissariat officer, and if necessary

assist as a clerk in the office

agant as a clock, in the office

13. On a regiment proceeding to Europe or to mother providency, for, the geomatrial and his
establishment will be transferred to the relieving regiment, being greated free virt lysses or the usual
travelling allowance to enable them to joen their new copy. Here will receive full paydraing the
interval, as in the case of other regimental establishments, quivetransister's, for

13. Attiller geomatrials will belong permanently to time statems and it required to more with
botterns will within to their permittent statem on the expectation of the communit at Government
regimes. They will, however, be lable to be transferred to other effective of
the retractional geomatrials will only all order near-officers, and comply with all relates and registrates to determine the executive commissional
officers, and comply with all relates and registrates to determine gentlesse or for the conduct of his

Nothing should be supplied without in indext properly authorized, and no rezeguise expenditure should be moursed without due authority in writing

17 Where the victual ling generated may be required to recover and receive over money he should do so promptly and alternated processing may be estimated to recover the receive, according to his shanding orders, any manage-persisten will seed to be austract deminest! 18 Before levering his station for the march, he should apply for written instructions from the

executive commissairst officer for his draif guidance

19 When on the march, he should obtain regimental orders, subject to confirmation for all ex

penditure required to be so supported

20 He will be careful to obtain prices current daily whenever any purchases are made by him 2. In with de category to contain prices current carry wincover any parentess are made by man or road, and he should see that the attelles purchased their quantities, cost, rate and moment be all carefully extered in the nerrosimanche by the cut officer on the spot, and at the end of the march (cemmand) or month, if the march is professed, he will almost his accounts in Degish he prescribed on the professed of the professed or the professed of the professed or the professed of the professed both as to date and forms, duly supported by these and all necessary vouchers

> L R CHRISTOPHER, Colonel, Deputy Commissary General. Central Circle

APPENDIX D

DUTTES OF COMMAND COMASTAR

See Appendices A, B and C for the purticular duties which affect them whether as in charge of eatile or stores or a victualing agents Command gemastals should be furnished with written or punited orders for their duly guifance on all points affecting their charge on duty

> L R CHRISTOPHER, Colonel. Deputy Commissary General, Central Circle

APPENDIX E

DUTIES OF PERVEYORS (HOSPITAL)

See the rules (vide Circular No 68 of 1877) for the guidance of purveyors which appear to meet their rase

L R CHRISTOPHER, Colonel, Deputy Commissary-General, Central Orrele

 \mathcal{H}

RULES FOR GUIDANCE OF PURVEYORS

I -Classification. I There are to be two classes of purveyors consisting of 1st and 2nd class

TI -Onalification 2 They must be able to read, write, and render accounts in English

3 Security to be for 1st class Re 1,090, and 2nd class Rs 750 III —Scenty These men will be under the control of executive commissariat officers, by whom they are to be appointed, subject to approval of deputy commissivy general IV -Appo atment

of the circle 5 They are to be apportuned, as far as macheable, as V -Tatableshment and appointfollows -

let class purceyors -To divisions and brightes of artiflery, regiments of cavily and infartire. large convalescent depots, wings of regiments, and a force of artillely consisting of two batteries

2nd class pureyore—To separate batteries of artiflery, and for all detechments of Duropeon carvity and miantay with which hospitals are established under medical officers A reserve of 15 per cent to be kept on actual number of posts of purveyors for miscellaneous

Their establishment will be as follows -

	Regiment of infantry	Reg mont of cavalry	Brigade of royal artillery or royal horse artillery	Batto y of reg lartiflery as reval horse artiflery
Purcyoss servants Clothus: Tulor Nucleomea On the servants	2 1 2 2 herd and 4 ordinary	2 1 1 head and 2 ord negy	1 head and 3 ordinary	1 1 lance 1 herd and 1 ordinary
	And an proportion be sancted	for parties for sma ned by the Deputy	Her strength and fo Luspector Constal o	r sinitana as may of Hospitals
Peop	1	1	1	1

The pay of clothiers, tailors and washermen, who are 2nd class hospital servants will be fixed by the commissariat department according to circumstances of situation Controller of Multiary Accounts No 939 dated 26th April 1879 and Med cal Code of 1851 Chapter 8 The pay of the purveyors' servants to be Rs 6, and of the poons Rs 5, per month

In cases of dejachments from European corps with which the full establishments as presented hiedred Code of 1857 Chapter XV for regimental hospitals, respectively, are munitimed, proportions of purveyors' establishment use, as her as nembers and description of each class permit, to be furnished from the permanent hospital establishments of corps respectively Where, however, the requirements of detachments from the same corps exceed the establishments available, undestion may be made by the medical officer to the deputy inspector general of hospitals of the circle for such extra establishment as may be shown to be absolutely necessary

9 Pur-pors' establishments will not accompany troops by rail, if they are not to be vitached to the troops (the normal decision) and the troops (the normal decision) and the troops (the normal decision) and the normal decision anamed decision and the normal decision and the normal decision ana but is followed by route much, the purveyors' establishments will accompany the troops to destination,

10 When troop quilting a station are rehered by toops to which no purveyor's establishment is attached, the establishment of the deputing corps, if not required to recompany it, may be relained

13 Threate, are encouraged one to death with the releving corps and the establishments of regiments leaving the presidency or 11. The permanent purrey or s and the establishments of regiments leaving the presidency or 12. going home with the kept on pay until appointed to mother regiment, in the same rounter as quinter-misters and other regimental establishments are, under the provisions of G O C C No 155, dated 2oth June 1970

Salaries to be 1st class Rs 50, and 2nd class Rs 40, with half salary in addition as

M-Pay batta when an the march

- 13 When proceeding from one locality to another on duty other than with regiments (in which case butta is allowed) purveyors' trivelling expenses will be governed VII -Travellog allocanous by the rules that apply to gomastals
 - 14 The purveyer will be allowed a pill for his own use on the much with a corps

15 Purveyors will not be required to live in the quarters provided in the hospital compound but VIII -Quarters may sleep at their own homes, and occupy the quarters provided for them daring the day. So meet the extra expense thus thrown on purveyors, compensation in heu of quarters, at the rate of Rs. 10 per month for list class, and Rs. 7 per month for 2nd class, purieyors, M D No 946 dated 31st August 18"2 and Commean, General's Cercular No 63 of 1873

will be drawn 16 Purveying duties of hospitals are to be performed by the commission department through the agency of purveyous, who me to hold the same position to medical IX -Dat es of purveyors officers as victualling gomestalis to commanding officers of

regiments 17 The purveying duties with detachments, where there is no hospital under a medical officer,

are to be performed by the geneast h 18 Purveyors will attend at the hospital at such hour as may be fixed by medical offices to

receive them instructions 10 A verbal darly report will be made by the purveyor to the commissum at officer, but it should

be in writing when there we vay complaints to be made to prevent misunderstanding

to in wining quasi occur on youngerious to be made to previous measures stands.

20. Though purveyors are constrained and part by executive commissaired efficers, they must attend implicitly to the orders of the medical officer, who, however, has not the power to remove a purveyor. This will be done by the executive commissaired officer on a proper representation by the

purpoyed. This will be decay by the extended communication under on a proper segmentation by the medical effects thereoff the decays and the decays provided the enterinstances bung made at the series time to the deputy communicary general of the circle.

9. Others musticers of obtaining the provides must be given reducibly by medical officers and compiled with, but in mattern and of this chronicle or which are creative of exposes orders should, be given in writing previous to compliance and as regards orders &c., which the purveyor considers continuy to regulations he should point the same out to the medical officer, as laid down at rule 23, with a view to the order being referred to the commissionate officer who may dured nonplanes it the cree be emergent on the responsibility of the officer giving it. Purveyous have the right to require that any particular orders should be given in writing pierrous to compliance. In cases of real smermake any particular orders assume we given in virtual previous to comparison.

In the way occur in choices excesse the purvey or must comply at once, without referring to his suremy, with the written order of it is medical offices, and on their functionary's responsibility.

2. Purveyors will see that the ducts and extens ordered by medical effices are provided.

22 Priveyor will get have the cutes and extras ordered by mement owners are provided.

23 Whenever my rateled of diet is ordered which may appear to the purveyor unauthorized by regulations it will be insidially to point it out to the medical officer, who will those be responsible for the issue of the doubtful supply. Omission on the part of the purveyor to do so will not, however, relieve the medical officer of responsibility Purvey ore are directly responsible to commissional officers for all articles in store but they

have no further concern with articles once assued to medical officers, unless they are returned

27 Any discrepances between resecuted on mountai one stay are returned as Any discrepances between resecuted return to purveyors by medical officers to be at once represented by the re-respect to the medical officers. The regions of the regions of the residual offices.

17 Persevers will also see to the timing of cooking attends &c, as required by the motival offices, who will take stept to startly based that the wal, is properly done, the conductor for timing utensis for basseds being employed. As to the timing establishes, see pringraph 55

27 Parreyrows will accompany occurs as the manch which we have

Priveyors will accompany corps on the march, performing the same duties as in cantonnents Parveyors are in no way concerned with the following general duties of hospitals —

(1) Seeing to the cleaniness and order of hospital buildings, and bringing to notes repairs needed

(2) Seeng to the elevalmess of privies and usuals
(3) That dhear is properly applied to the pans, that the stool pans are empired as required, and distributed when directed

and distributed of the stool pans are empired as required,
and distributed of the stool pans are empired as required.

(4) Seeing to the cleanliness of latchess, cutting up of rations, and distribution of diets duties

Charges of renewal or repairs of furnitude

(i) Arrange or remain of regions of institutions (ii) Arrange or remain of regions of the field tickets, oxise, chairs, table, does stools, &s (i) Lagitang of hospitals

29 Purveyors will have charge of oil for hospitals, and see to als presented uses, that is the purveyors will measure over the puscettled quantities in hell, to the hospital segment and of colors, when his responsibility will cease

30. Rule 57 states that purreyers will not preprie that rolls similarly purreyers will not preprie requisitions which subsequently become the vonchers for the issue. Sinvey or committee reports on purreyers stocks will be prepried by the purreyer, but he will not propore other hospital. pure successed with he delays, for instance, pay instructs and muster rolls of top intellection incident for carriage for such, or far camp equipped to stores under their custody but not indicate for carriage for such, or far camp equipped of hospitals, which will be prepared, as herefolded. by medical officers

In the interests of the meh, medical officers will occasionally inspect purcyons' godowns and see that stock is kept up to scale and in issuable order, reporting

X -Daties of medical officerthrough deputy inspector general when necessary

Articles of elothing and briding, hospital, nuscellaneous articles, cooking utensils and dis-

and table requestes, as per seale authorized, are to be lept in charge of the purreyor, and given out as required by medical officers. The authorized seales of the above articles are to be streety adhered to by XI -Stores G G C No 200 of 1872 the commissional officer, but in the event of in excess being require

the commissionat officer will supply them on the authority of the deputy inspector general of hospitals

When the necessity for the excess supply has ceased, the articles will be returned to the commissarint

godown, and be borne on accountive commissionario diffical reserves before from 155 They will receive for the march a supply of bedding and elating and succellancous articles

G G O No 933 of 1872

as not serie laid down for the march in G G O No 936 of 1872 G G O No 303 of 1872 If on the march any reticles of hospital supplies, such as limes and poulties materials, &c , which would need to be fresh, are required, the purveyor will purchase them

and hand them over to the apothecary

34 Purveyors will receive for the march an advance of each and consumable stores as necessary

35 Purveyors nonempanying troops by not will be simpled with the keepind occurrence of G G O No 303 of 1572 medicans and pole-dense and pole-dense and pole-dense, which will be the onement of the medical officer. The null equipment of troops proceedings home use Bombry should be made over to the lepton of the pole of officer at Deolah or to the executive commissionat officer at Bomb w, and his recent should be forwarded by the executive commissionat offices as his youther for the issue

M D No 406 data 31st Agenta Theories of the pureoper at night or other turnione of his establish-1573 and Community Greats Car-pair No 63 of 1872 purvey of pursues of the purvey of at night or other turn one of his establish-cair No 63 of 1872

No 63 of 1872 purvey or for all issues 38 Articles of clothing and bedding, hospital miscellaneous articles cooking utenals and duot and table requisites as per seale authorized, are to be kept in charge of G G O No 300 of 1872

80 The authorized stock of the above articles, as well as a sufficient stock of liquors and articles of consumption will be supplied to the purveyor by the commissariat officer, and will be Lopt in the puresyor's stole from
40 Hospital clothing bodding, and other hospital equipments no longer winted by thoops will,

under the purveyor's system, be necessed into store by the commissions on a corps leaving a station other for Lucope or in course of relief a committee of medical officers, or, if not producable, a mixed committee will report on clothing and bodding and other equipments left behind, serviceable articles, as they are or after rejum, will betaken over by commission in for releasing and condemned articles disposed of 41 One shuldan with closed ends will be allowed for the purveyors stores on the march,

instead of the stores being kept in the new pattern privates tent hitherto allowed for both purveyor's

and apoliborary's stores

43 The executive commission officer will half yearly uspect the stort of clathing rud other

53 Impetuoe, surey and on attacks in charge of the purveyor, and any retrices considered unservocable will be submitted to a bord of surrey composed of

55 American the store of the purveyor. midical officers, if possible, one medical officer must be present under any errormstraces. But if during the interval medical officers observe that articles issued for use are becoming unserviceable, they should report the fact to the commissionat officer through the Deputy Inspector General of

Hospitals, with a view to an intermediate supply

43 New supplies must be surveyed at the commissariat godown before heing made over to the purveyor The medical offices of the regiment to which the purveyor belongs if available, should be a member of the commuttee that surveys the supplies and the purveyor should also be in attendance on the commuttee. The supplies should then, in the presence of the commuttee, be stamped "Indian

Government," with date of issue
44 Dieing articles and liquous considered unfit for issue should be submitted to a committee Diency access man approximate turn for many access about an essential of a communication of the property of the second of the property of the off the articles

45 Commissariat officers will arrange to have stock taken monthly by one of their European

4 Steel tiling subordinates, of articles in charge of purveyors

Repairs to hospital clothing and bedding, and bospital miscellaneous wholes, cooking

utensils, diet and table requisites, will be made by the purveyor, 5 Repairs under the supervision of the commissional department. Charges for Gualior Lahoro Allababad Recal Panda repairs to the above articles if less than Peshar an Lucknow Rs 50 in a mouth in a first" class executive, Meetut Parelly and Rs 20 m a month in a second+ class Kussqwhe and he seemed a mount in a second class creenine will be passed on the counter-agardine of the bill by the executive com-missarret officer, but if the charge is more, the work must be submitted to a committee, † Caumpore Scallete Sauger Agra Perorepore Juliandar Benares Dargeeling Umbella Contessor of Military Accounts No 4200, dated 6th Septem. and the change supported by committee re-

port.

Parveyors will draw then supplies from contractors or departmental agents according to instructions of commissant officer, but any very minor uticles required XII -Dicts and extens for mamediate resue, or petty repairs man, under special sauction of the commissionat officer, be purchised or arranged for by the puricyor 1 -Sapply M D he 298 dated 7th January The commessmal officer will be held responsible that there is no

enlargement on the permission given for minor purchases or petry repurs being arranged for by the purveyors $h \mid B$ — Supplies for outposts may be surveyed at lead quarters of divisions

Articles provided by contractors are to be a pilied in presence of purroyous. After any road of the applies by the med end officer it by should be made one by precept

40 to some hos, tal subordin to to be nom nated by the med cal officer who will see to their preparit on and same

50 Art cles of det unlext reare to be supplied by the proveyor of a memorandum with which he will be furn shed e ery morning a good by the melteal officer specifing the number of sel

a d the different l mds of d et a d ext as to le provide l

51 Iss es to privents after the mor mg vist of the modern offer will be shown in the diet off Lept in hospital in the coll sent into the commissa at the gli purveyors daily and in the monthly diet roll

Precyons will be responsed to for the quity of articles 1 onded by themselve bit as egruls at all sampled by reporter for o by departmental agents the communism at to feer will be resposable and the purreyor of list 2 Qulty

once draw the attention of the latte to my frime mq minty or quality
3 Bazu m de uses and losp tri necess es us per latest san troucd scale will be suppled on nonthly requelson from medical XIII -Bazzar med ne

off eers As a temporary measure and until the general question of medical commissa at forms a settled

by Government ti s requisit on will be ecording to lorm Catinched 18 p b Control et of Witz y Accounts No 63 3 d ed 22nd October 18 0 and pan 5 of Wit y Department No 298 datel th Janua y 1873 whol medules a taming containente empty bottle return and certif onto of local es and 11 nt n leaves a place Tie month sequire
ments (except such a teles as require to be freshly a ppled). Il bo
malo o e none ast iment to the mechanismic who will place the

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54 Until the subject of medical communication is a settle light energy will a undented for

mouthly as at present and received by the medical officer direct from XIV -St teaser the comm assaust offices without the i te ention of the jur eyer 55 Before passing the accounts the commissariat officer will check the entires with the month

Descriptions and the second se comm ssa nat accou to in amond d to m of dect roll is unde consideration and will be iss ed at as

on it is a date as present in the ly to the commission as in accordance with paragraph 7 of G G O

10 Abord of roll scatt in the ly to the commission at in accordance with paragraph 7 of G G O No 7 2 of 1892 valued to prepared by the prevent but by the moderal officer or his subort mates and a to be free from crass es or alterations of any 1 ad. It will be signed every moning by the me I cal off on an elarge a d handed to the jureyor whose vouche the line support of his monthly accounts. All the k spaces a declumns should have been drawn across them.

An amonded to m of this coly equisition for diet and extra is unde considert on and will be

issue I tas early a date as priet e l'e.

57 Then purveyors establishmoots are orde ed to accompany troops by rall the written order of the medical offe r must be attached to the pay bill as author ty for ers forer for stancook-- IVX d abrater b

6 A ûn ly vad b monthly these book of cloth ag and bedding longital muscullances whichese cook ag utten is vad det and riche ag a six will be lept by pursops once dang to Dirma A and B² of standed in which all mer et is equiples at the best will be by the modered direct plant in series to equiples at the best will be by the modered direct plant in the contract of the series of the series and be a six of the series of the series and be the mode. The series are the series and the series are the series and the series and the series are the series are the series are the series and the series are th 60 In 1070 s vill render the need nis to commission to office s a cost necount or distorts

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61 There recounts a state of sheet of paying one monthly not better that "indicate much interest to be brinched undefined one, months of the whop as a covering pumply as to one recovered applies there as the property of the same that country or defined as be recommits.

67 The vertices of paying country on mone on with purposes a most asteroidesed by executive commensurated corns all became, a myor to an old and as we clothing for with boil for a paying stronged of region of the country of the co the rise of the properties of the old the enth end when we to growing the growth one of the communities of specific properties. It was not not the communities of the one in some cold from worth at their forful own specific properties, and three forful is communities of the properties. It may not be a first properties of the properties cooling ute sis det and table equistes will be adent of the a diton talm scellaneous artel "a cleay thin scalinaces art ele cooling at each and table equation to the notice of the model of the speed up at the direct part in up and all all find agreedors angle of constraints greatly the community at a find the part of the pa

61 The pur ever's neces tofilig one and consumable refeles as per Form E all to emboled in the comm and officer's mo they store return and not stom fied to the examiner in a separ to account

Colonel R A Moore, Asking Comm easty General Mudtas

(a) Fide* statement A annexed (b) Fide statement B unnexed

(a) Fast statement is unknown. To given a detailed vector of all the duity duties performed by every individual in the commissant department would take up too much time and space. And it is deathful whether their multituness duties could be detailed with perfect nonresp (c) Fulfer statement C smaxing).

Statement of Cost of Personnel of the Commissarial Department to the Madres Presidency as talen from the Budget for 1879 80

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		Total		8,82,814	10	4	
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Madra, 27tf Argust 1879

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CONCLUSIVEY GENERAL'S OFFICE

Madras Presidency, under the several leads Account, Sepply and Transport

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R A MOORE, Colonel, Acting Commissiony-General Cox

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Statement of the average Eurober of The repeats feel of each State out the Medical Presidency from April 1879 to Month 1878.

	1877 to March 1878	
		Average number of me per
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Belliny Cultent		715%
Cannanore		91 <u>.</u> 505 75
Kamptee		595 (\$ 811
Madras		68941
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tenant-Colonel W M W 1 Acting Commis 113 60	The present mentily cost is as	under, as per budget -
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The details m and m given in the three stylements attack on and m of m and m. As requested the establishments between two them of an another two been divided into the three heads of supply, transport and around, but this is not the m they are small m degree and provided for an the largest

so not use the very very one very first of early and proposed for its not energy.

All the cloths in red of it is all used in the best shown under the head 4 Accounts? Supply includes the variety and non-comm seemed ranks (a th these completion) will all necessfrom purposes and stores and outside the inhibit through others the arrant meta non-communicated others; may for the variety of the very large first and others can be written the communication of the very large first and others can be sufficient to the very large first and others can be sufficient to the very large first and others can be sufficient to the very large first and the v

The detail of duty performed by each officer and subordante has been entered as briefly as possible, but it further particulars are required, they can be supplied at greater length. For the daily duty of an executive commissants officer, extract pain 28 of the Administrat on Reports for the year 1877 78, commissariat department, Rombay, is given below for the information of the committee

"Let us the the charge; the meets of a recy week dry, our line meanands as one considered."

"Let us the the charge; the meets of a commissart of these, and see how in we can still but den him with with He mees at 5 a x every week dry, and up to 9 x x he is engaged un vesting his several charges; the mapsetton of the field column crimage, commercial drugges; the wagons, and carts, cattle equipments, for ge and gram, and state of the lines generally, the infirmacy we goes, in cases of an equipments, to go maguing must necess one man generally, the immunity and the datase of a reterinary surgeon keeping up a noticed lastory of all eases under terthenet, the labelety, the shaghtery and shaughter earlier the godonne and the neperion of ritions of rition stands—all examine the done one manning, and has exempts are also for the most part depoted to such datase, more especially during the periods of the half yearly importions and survey of stores and

"At ten he has to be in office and he remains there steadily (and such is the practice at every office in the Bombry presidency) up to 5 30 and 6 PM and often much labor, Sundays not always excepted. The office is always a somee of majous care. its heavy monetary transactions and responsibility, its contract husiness, its transport duties, its hospital supplies and equipment inspections, its store surveys, its supplies to numerous other departments, its several subordants changes at out stations, and the extentive work proper of the department,—all rest on the shoulders of one form. How is it possible for any one individual to do justice to such multifactors occupations and calls upon his

The required information as to the numbers fed at each station is given in the form of a tabular statement (attached), which shows the total number and duly average number of rations and diets issued it cale escentive and subscribed settings and sanitarium is the Bombry pre-decay during the official year 1878 79. At stations like Deith rist cump, for instance the only a verige is somewith malesting, as the adultated for three bundled and sixty five drys, whereas the bulk of the issues is made in the 5-6 mouths of the trooping serson

At Poona the garrison was short of its complement for serveral months, and this was also the case

at Kirkee and Ahmednagar

The number of Europeans fed at any particular station does not accurately gauge the work done by the commissional department, because the work depends more on the number of separate corps or arms of the service at a station, then on the actual number of troops rationed, moreover, the supply of rations and duets to thoops and hospitals does not constitute the whole duty of the commissariat depuriment in the Bombuy presidency

				Provi	SAOLS	Dr	-TS
	Stations	í		Number of nations dur- ing 1878 79	Averagedarly number of rations dur- ing 1878 79	Number of diets during 1875 79	Averagedarly number of diets during 1878 79
Bombry			~	201 3183	552	19,806	54
Declah				51 6241	141	8 341	17
Poona				405,071	1,110	34,795	95
Kirkee				125 213	843	11,913	88
Paraudhar	10	••		30,670	84	2,423	7
Saitain				53 693	147	6,028	16
Ahmednigar				82 579	226	9 821	27
Belgrum				267,008	732	27,287	75
Ahmedabad				64 310	176	6 579	18
Bareda				59,924	164	7,980	20
Deesa				223,9411	613	14,890	41
Abu				31 714	87	1,066	3
Mhow				411,559]	1,210	47 355	130
Indore	•	•		20,227	55	1,404	4
Asırgarlı Nusseeralad	**	•		14,551	40 581	1 637 19 579	4
Turaguh				212,0871	17	1,753	53 5
Noemneh				6,214 146,719}	402	15 222	50
Eurrachee				261,751	717	22 580	62
Hyderadad				132,2521	362	10,210	28
Aden		•••	•	294,291	806	13,813	38

Colonel M. J. Bran lev. Off end my Dep to Commissary General Upper

(a) As regards thus information, the most accurate particulars can be obtained from the examiner of commissariat accounts, and I telegraphed to the Secretary of the Commission to obtain it from that officer on or about the 14th of August

(i) In reply to the first part, there statisties are also with the examiner of commercinate accounts. As regards the daily duty of each rank, it would be almost impossible from their lenge so numerous to give these in detail. I therefore restrict myself to the principal commissional others. so numerous to give trace in useant to interest extension and the different heads in charge of stations, who are responsible as follows under the different heads in the state of the state

ducts for the sick, both in quarters and on the lime of the march, are of good quality, in olving the

careful supervision of bakeries and slunghter houses, and the frequent inspection of the rations themselves, the apply of hospital clothing and necessaries, burn medicines, stationary, bedding, and of hospital servants, of barrael, applies, meluding bedding and lighting, disinfectants and all other barriel necessures

Nature troops - Supply of burn medicines stimulants for the sick, disinfectants, stationery birnlets, nubite callfo-clephrats, camels, mules billocks—their cars, castody, feeding, treatment of the sick, employment, returns connected with them, control and 123 ment of their attendants, preparing service registers, providing and keeping in repair ill gen, distribution of them to the troops &c, on the has of march for which ill unangements have to be made in the provision of troops ve, on one more a manual was a manual troops ve, on the carriage of the sel ... Hores, enviry and artillers, sunnity of around the gent, also of grass occasionally. The supervision of the details connected with the above constitutes the commissionat officers outdoor duties. During six and right hour, of the day his time is occupied in official correspondence in the supervision of a large number of clerks engaged in the compilation of the store and cash accounts in attending to the prepulation and conclusion of contracts, in formshing explaintions to the examiner, and in compling it ims, reports, to Warrant officers are placed in charge of outposts, where then duties are similar to those above described in a minor degree, except as regards accounts with which they have nothing to do, these described in a minor eigens, everys are regular recomme to the managers in the managers of such as being prepared in the executive officer they are frequently placed in subordants clouge of goinoms, and have emperatednessed about the cloud of bitacries, designifier yorks, public cattle at high statues. As commissioned effects are also employed as above, being frequently placed in clarge of small outposts, daily issue of rations to the troops and of duels to the siel, and attending generally to them daily issue of rations to the troops and of duels to the siel, and attending generally to them daily requirements

Major calcidations — separts converting of three classes: (1) status or calle parasites, (2) parts and extendit a general tensor. It is also not called parasites at the calcidation of calcidation of the the duty of mounther and treasurer for petty sums to the executive commission it office

2 d, godo: : gomestics - These have change of the stock of rum malt hauer, tee, sagar hospital and bareack hedding, clothing, and companent and other numerous stores, as declice, I aparal's tents for departmental use of which a certain stock is always maintained, and me personally and pecuniarly

responsible for the store the general sources and statement, and render monthly account.

Sal, regularitation sectionly generalite—One sit scales detailed to each battury and regument, has to loop a store of a monthly supply of groceries, to attend at the duty sense of intense and requestly n store of a month; supply of groceres, to attend at the druly sense of attent and frequently provides muter criticles for which there is no control on the match, and requisite a strew to bedding, frewcod, forth, mill. Le, for the hospital. There are besides the above leaf and start greats, the foreme herve to provide ab microtis for head making, including flow when no Government mill is vanished, and an operately accomplished to the preparation of the bread mit grammed motorial of establishments thereously encounted. Most agent less to granulage culti- and simply, the to arrange for their greating wall feeling and general cut selection of annuls for straighter, in without the seasons of the second control of a straighter, and with the seasons of the proper states of the seasons of the seas

Purreyors have charge of all clothing and bedding in use in hospitals, also of all equipments, including crockers table quointments, cooling nicessis, wishing of dirty clothes, and of the issue of the diets, including wines, &c

CATTLE FSTABLISHMENT

One jornadur for every 20 elephrais, one makent and cooly to each elephrait dukes, cure, enstedy, and feeding and preservation of gear

Carelo,— 1 head jemadar at stations where there are not less than 300 camels 1 jemalar per 50 camels 1 duffadar

per 25 camels at stations or 15 when detrehed. They are not exempt from survan duly, and are included in the complement Batta

arwin 1 per 3 e mels, iluties 15 above

Bullocks —One sind in for every 42 one driver to every 2, divises some as above

Mules -One jem idar to every 100, one duffador to every a0, one muleteer to every 3 duties as

Doolie bearers -Surdres one to every 96 herrors, one mute to every 21, are bearers to a dooly, foar to a dual. Where a reserve of these men is 1 ept up throughte winter, they are detached with troops moving in crurse of relief, and in summer are employed in pulling burnels pind lines.

Bittlers, bakers, evolues, al 11 rans, mergheta : - Their names sufficently under to the nature of their

Office establishere ! - A head resistant, European or Natine as placed in charge of every office, and less general superation and sal the cler's and the control of all their work, it., condust us grand on a spondence preparation and sal mis ion, in proper time, of all accounts and returns connected with en h and stores, in paration of I ulget estimate, firmishing explination to I cam ner a objections, 170 p ration of comparative statements of tenders and completion of contrati-decids, preparation of cattle returns of audents to Leep up require Lasarce steel, of articles obtained in India and from I maps. is us of me ructions to sal ordinals in charge of outpote, is us of all orders regarding supplies, and a carderable amount of miscell in one work, such as invoices, register, committee reports, to the duties of the elecks are divided into the heals of eash, store, cheek or audit, miscellaneous, the juniors of all being copieds

2 282 2 778

29 904 83 715

(e) The n mber of troops rationed in each commissariat range in Colonel G J Baleymple-Hay Bram nor of Comm seamat Ac 1877 78 and 1878 79 s recorded below -1878-79 1877 78 counts Ranges 1833 1749 Presidency 905 949 D napore 207 221 Darkeling 518 583 Benares 982 985 Allah dad 812 987 Inhbulpore 3 568 3 168 Luckno v 1 236 1 371 Ca ynnore 1 764 1803 Gwahar 1 232 7 915 Agra 1 214 7 282 Bare llv 1 273 1 487 Ran Ll et 2 173 2 427 Mee ut 1921 1 839 Umballa 1 753 2 I54 Kaada 734 647 J Handor 7.885 1 377 Labore 930 901 I rozepere 753 1014 Stalkot 731 799 Mooltan 2 389 2 818 Re val P ndi

May M A Birchard on Est and the Commission of th

Total number

Peshawar

Statume t shows g cost of the perio set of the Cox scarcal Department at each statuos of the Bowbay Perite of

				-		·							
Searcon (b)	Una ges U po e as p sount fo 18	exnm or o- r Ju y	by	tisni pe a tio to . 18 D	lico o-	Total no	for o	Q e	Tot 1 fo month		Amount Budgetses ment of y so not cha fo 18 9	gn	Remarks
	Es .	A P	R	s A	P	Rs	A	P	Rs	A	Rs	A	
Doolal Poonn 8 Sickgreen 1 Maisgreen 2 Maisgreen 2 Parandlare K rhee Satare Responsible 1 Sickgreen 2 Satare Responsible 1 Sickgreen 2 Sic	70 81 506 1438 72 893 191 1566 86 2511 41 92; 430 841	2 9 5 6 H2 (12 13 14 12 14 12 14 12 14 12 14 12 14 12 14 12 14 14 14 14 14 14 14 14 14 14 14 14 14	333 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	17 0 6 6 6 6 9 5 1 6 6 6 9 5 1 6 6 6 6 9 5 1 6 6 6 6 9 5 1 6 6 6 6 9 5 1 6 6 6 9 5 1 6 6 6 9 5 1 6 6 6 9 5 1 6 6 6 9 5 1 6 6 0 6 6 0 6 6 9 5 1 6 6 0 6 6 9 5 1 6 6 0 6 6 9 5 1 6 6 0 6 0 6 6 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 9(1) 1 451 3 31 2 433 183 466 3 38 9 5 1 1 98 0 1 56 0 1 1 56 7 1 1 5	12 11 0 12 12 13 13 14 15 15 15 15 16 16 16 17 18 10 10 10 10 10 10 10 10 10 10 10 10 10	0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 02 23 81 18 18 07 64 71 7 27 17 15	9 9 14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 146 4 672 1 872 1 705 13 252 12 489 36 024 4 136 2 8 621 4 156 6 1 04 1 1 894 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Included in Mhow
All gaum Cattle Turm.		10	8	1.0	9 (2 10				1 5 ₂ 90 0 976	3 8	Į.
Total					_	is i	8o 12	1	o 78 29	9	16 11 51	8 9	

(b) A statement is attribled * I im not in a position to describe in defail the duly duties of the various individuals employed at each station

(c) A statement is attached showing merige number of Europeans fed at each station

Statement showing the average number of Europeans fed at each station derive the near 1878-79

Same of station	A imber of rations d r n 18 8 9	
Bombay	201 318	1 5a2
Deolalı	51.62	
Poons	40. 07	1,110
Kurl ce	12, 21;	348
Purandhar	30,676) 91
Satara	53 638	3 147
Ahmednagar	82 579	
Belgrum	267 099	3 732
Ahmedabad	64 31	
Baroda	59 92	
Deesa	223 041	
Abu	81 41.	
Mhow	441.55	
Indore .	20 22	
Asugurh	14 55	40
Nusseerabad	. 212 08	
Turguh .	6 21	
Neemuoli	146,740	
Kurrachee	261 75	
Hy derabad	182,259	
Aden	204,20	£ 500

5 Does the organization of the commissariat department meet the requirements of wai, and if not, in what way can it be improved without adding to its cost?

Gelenel I I Willes Commissary General Bougal Most certainly not It is instille on to most the requirements in the of perce. Many statems with Blits it toog alree no commiss and officers. The scarcily of officers rendered it necessary to or les out from England, on the war breaking out every officer whose health permitted

of he rator. Not half the number recessive could be send into the the high Madrics and Bombey over fixed purchased. On This belond to grantly on this at the vary requirements for war even purely be such that I am not proposed to say that Madrics and Bombey did not suffer by the crimponent. Why much have or commission to comprehend for I said. It is the execute department? I believe it would wanter well, but there are many defined be worked and blotter the could be done. I would be some suggestion makes no continued to the could be real becoming lieutenant soloned. I low and it for red land work first to said, as years' service, and any opinion, no heatment closeled in the army similar of the time of the said of the s

notice exystex their writted if to were another when the two books cut.

The princip of a arranta via none commissioned officers and Nature a special a use us much felt as the
efficient. The eyest of warrant officers much invitated ageant their efficients.

The eyest of warrant officers much invitated ageant their efficients of the entry of the entry of the efficient of the department, sent of all Default vill through the entry is 65 years of age ind was only most until the efficient of the eff

Colored B. A. Moore Actuar Community Gracult Median

The organization of the commissatiat department is good, but it is on a peace footing, and it cannot be improved without adding to its cost

I enterent Colonel M W W1 long! by Arting Commassary Gen eral Bumbar The organization of the deportment is unequal to meet the representation of the representation of the representation of the meant of any terms the calculations which on satisfaction are eventially on a presentation and refer equal to one with organization to be understood of the representation of the represent

The only way to improve the commission the department. Form as presidency, without a lding to its cost, would be to confide the transitions.

(933)

to simetly legitimate duties as an army department, as , army supply and transport, and to relieve it of the leterogeneous duties on account of the c ul an l other departments now imposed upon it namely, supplies to large civil institutions and landing and temsport duties for the

Metheal department Ordnauce department. Civil (many branches) Clothing

Colonel T H S'bley Deputy Commissary General Bungal

The present organization of the commissariat is not complete to meet the iconfrements of war, and requires to be largely increased to meet the many extra demands which are made on its resources. I submit appendices marked A. B. C. and D showing the establishments which are necessary in cantonments and those which must be entertained

as extra in time of war The extra establishments can generally be collected, but longer notice is required than was given in this campaign to collect and send the agents on ahead as it is necessary to organize depôts and collect supplies. In this camparen many duties have I cen thrown on this depart-ment which I have submitted, could have been more efficiently and economically performed by direct regimental agency I allude specially to the provision of grass and wood for all connected with the troops

These articles the emmissions were invested to guessian was an according to a country where there were no markets and where the extracted could only be obtuned by dougug parties. It was pointed out that these obtains so of outside to the state of outs would only the time of commissional efficient and agents which could be more advantageously compayed in seaking for food and other supplies for the army and that regimental officers, having ca mage and establishments at their disposal (grass cutters and others) could arrange to collect these articles far mere speedily than could be effected by the interference of this department

The establishments of grass e itters moving in a country like Afghanistan in winter are practically

useless, and add uselessly to the encumbrances of the army

Beale of balery establishment recommended for troops going on senice

Class of servants	For a European remanent.	For a battery	Pay for each tota	Remarks
One hend buker Knedders, 24 per cont Mato Bhisto Bilder Dhobie	1 2) per cent 1 1 1	1 2½ per cent 1 1	Rs A P 30 0 0 10 0 0 14 0 0 7 8 0 0 8 0 7 8 0	For fore ye territories free rations to be given.
Mato Dhobie Bildar Knuaders	1 1 3 per cent m- stead of 24	1	14 0 0 7 8 0 10 0 0	

Ecale of butolers establishme it recommended for troops going on service

Class of servats	Europeon regi	Battery of artiflery	Pay for each	Remarks	
Meat agent Sudar butcher Butchers Coolies Cowheds Dubohe Blustie Clean I lar Stephends	1 3 4 2 1 1	1 1 1 1 3	Rs A P 50 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A lend agent. Ro 75 w h which to be with the di to so on Ro 75 Tow free ga terratory free rations to be grave.	
Extra				1	
Sirdar butcher but her Cowherd Slepherd	1 1 1 1	1 1 1	18 0 0 9 0 0 7 8 0 7 8 0 6 8 0		

Scale of cetablishine it for deputs, purchaving agents, dirinimal godowns, brigade godowns for troops going OR 550 100

Cla∾ of servants	C Purel ven g agent*	C 1 Deput estab last ment	C 3 Davi noinl go darta e-tab hilment	C 3 Brade go do 1st b I shment,	Pay of each	Remarks
Head purchasing agent Depth 'igents' Ist ches agents Assetant agents Mitteuddies Writers Carpenters Blacksmiths Weighmen Rum messurers Blacksee Peons Cookee Snoopers	1 2 2 2 2 2 30	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 11111428248	111111111111111111111111111111111111111	Rs A P 200 0 0 100 0 0 75 0 0 75 0 0 75 0 0 18 0 0 18 0 0 7 8 0 7 8 0 7 8 0 7 8 0 7 8 0 6 8 0	

Extract paragraphs 16 and 17 from a letter No 799, datel 1st August 1870, from the Deputy Commissary General to the Commissary General, Bengal

The commissanit staff consists of-

1 A pamuj al commissant officer

- 2. An assistant able to leep up accounts
- and office work
- 3 An officer at each depôt À Drtto with each brigade

The warrant and non commissioned officers should be appointed as follows. All to be permanent 1 Base depôt -The staff of the station, 3 Drussentl godown-

- with extra men given at commencement of the campagn 2 Advanced depôt-1 Senior wairant officer
 - 1 Cunductor 2 Semenats
- 1 Warrent officer " Sergeanis 4 Brignic godown-
 - I Conductor 1 Seigeant

A victualling surgeant with each battery and two men for each Laropean regiment if possible Colonel M. J. Brander O'Tena No, because in peace time the requirements of the Juropean troops ing Deputy Commissory Senseral Opper Circle

only, and the cottle permanently ittached to the army, have to be provided for, and the establishment is 1xed to meet there only, and the establishment is 1xed to meet there only, and therefore does not suffice to meet the great additional demand of having to provide for the Native troops and a larger body of o mp followers and lagage annuals, which develves on the commission in time of war To expand the department, that is, add to its numerical strength in its administrative branche, which is the element at pre-ent deficient, in order to meet this he was demand, without adding to its cost, is

necessarily impossible

Capia n J Rece Denn'y Commissary General Lie er Circle Bengal

The organization is the best I believe that can be devised. It has been proved to be good in mins a campuign and the curringe and other difficulties which occurred in the late companying or, not, I believe, in one n is attributable to my failt in the system, but to there he of

in the wife relations to so it is the the specific and to the extreme at the card does not seed to a methy after the matters, by which the department was called a number and establishments to so to corder at least, softeness in times of porce. It is not less after the matter, the continuum and establishments to so to corder at least, softeness in times of porce. It is not less that the matter of porce is not seen the corder and establishments to so to corder at least, softeness in times of porce. convinced if it to made the department really efficient, the number of edges of passed in common in morrowed. I think it is morrowed. I think it is morrowed a natural of massed in common safecommon a member to commence below the grade of assistant commutary. general, let of , fellow -

I more as that commissions meneral Building 4 more depth - an' commune general,]st el

10 tab repet at commissions, ind this 2 more deputs anomis aracs 2 more * set at a minus arrow S more of party near Lint commissiones

4 more ileg fix " at comme and general, 2nd cla 6 sub a re and c man ... re , let ches

5 m reciditors 10 more ii b cords tors

so me e man un a ricers I that with the all on the conjustment would be far a one efficient, and its provert good ong?" mation in a starel

t the digiter with to contend a thin and a laber to some only the Ther 1 as it greatly la fig. tind diere in i dell' fu genard, ritiati bet? and allowance of a recount of left crane to mall, the tarner fetter off with he late)

(935) [Appendix IV

or regement, where he has certain adviatinges as regards servids. This is a well-known fret—so hard is it that it is searcely possible for sergered with a family to make both each meet. And this throws him into very great danger. He is tempted to falle presents or to horaw money, and, once the does time, his lends are teel, and he is voice than useless. Instead of a help, to the commission of the commissi check on agents and contractors, he joins in their attempts to dreeve and mislead, or it least does not

This should at once be rectified by groung them an increase of pay and allowance of about 80 per cent on what they now get. It would not be too much to enable them to live honestly, and to place them beyond the excuse of temptation. All commissured officers must feel they have some excuse

I would also propose increasing the pay and allowances of all first class statum agents. Tacy get only Rs 50 a month, on little more than they have to pay for a tressure and unused, which they have to maintrum for the other and themselves. These two coffices were doubsted seen after the mutany, but that it was a mustake every officer in the department can testify. Such agents should not receive less than Rs 150, and the munshi and treasure should be paid by Covariment. As it is, these men can clumning to go on their charges to meet their needful official expenses. They should be left without excuse Agents too in charge of the largest godonns should get not less than Rs 75 a month And at all stations where there is not less than a regiment of infantily and a battery of artillery the station gemashta should recent the s me

of artility the stateon generate absolut recent the s unit of the new recommendations for the unit memoral have gene becomed the question, but I make these recommendations for the universal to the department, having long been convened of them necessit. It will be sent that Lecent intuitive jurgosish to unsprove the department without adoling to its express, but the oldstanni expanse recommendad in I believe, necessity both for efficiency und economy. The I need not any secure jurgey not to have unselficient vestation of under jurge and other when business has to be done and lurge some of menoy expressed. It should not, in rectify, vide or much to express of Germanust interests should be before guarde, and expenditure better checked and controlled

Colonel G S Machenn, Deputy Commissary Gu rol late in Com missariat charge of the Khyber and Kuram I orcas

It does, as far as 50 men can do the work of 100

Licetennet-Colonel J V H mt, Deputy Assistant Commissary Gen eral Bengal

I consider that the system of organization of the department does meet the sequirements of war. But that the porce establishment, is regards Duropean officers, warrant and non commissioned officers, as well as Native agents and cloths is so small, that its expansion in time of war occumes too much time

As regardle Native agents and clerks, I think that stricts scritting into their enproxy is necessary and on work in cantonments goes in satisfactorily no found to be incompetent on source the rorson being three in eminorments they procure a good deal of their nork to be done for them by others I cannot suggest material improvement with out additional cost

Major M A Roulandso Fx s umes. Comus startet Accounts Bombay

The present organization of the commissariat department of this presidency has mot the requirements of such camp again and expeditions as have bother to fillen to its lot the trune I men of the depailment have conducted the special duty connected with the war whilst the ordinary peace duties have been cutrusted when necessary to officers and men temporarily employed

Major W Luckl selt, Deputy Assistant Co massary General Use bulls.

The organization of the department is entirely fixed upon perce requirements, and consequently does not allow a sufficient number of referenciates, interespectable of the requirements of will when the clements on the department are very greatly augmented. Not alone Make Vature carefully and interest of their own arrangements to be provided for but the immense number of followers.

and transport number of all descriptions who form part of an Indian army in the field is proveringle.

Lyon in time of peace the number of efficers is found insufficient to allow of any being detacled from current work for special purposes

turnet to the respect approves

I am of opmon that all deputmental arrangements necessary in case of a company, the probability of which is foreseen for years previous, should be worked out in time of perce in detail.

Turther, that the experience deduced from former campangus should be recorded and all possible information relative to the nature of the country ats resources, and the customs prevaling with the minformation returns of the instance of the comment of resources, and the costons purturing with methods in the information of the institution in the instance of the institution of the instance of the institution of the ins establishment. I can only say that experience has proved that any attempt to carry out the hi my extra work which in times of war develves upon the department with an establishment admittedly inadequate for the purpose must result in atter confusion and lamentable disorder

The only course I can suggest to improve matters without adding to present cost is, that the work in the department in the three presidencies be assimilated to such an extent as to enable the establishment of one presidency to fill readily its piece it called upon to serve in another presidency. A larger field would thus be afforded from which a field establishment could be drafted. The difficulty which tidd went time or more true beast a few and the sealed upon to furous a field force on only utili-draw establishment from the stations in blue a departmental officer menus in charge, for, as a uniter of fact, the officers nominated to fill temporarily the places of those officers taken away from service are (936)

almo t entirely dependent upon the establishment, and it is considered consequently unadvisable to ampair the efficiency of the latter

Commission to Holder Freezisch Commission to Officer homister

Owing to constant calls for reduction during the last ten years, the department has been sed eed to the lone i extremity and even beyond the bounds of efficiency and being burely efficient in times of perce, if our seweels be considered to meet the requirements of nar. Untrimed men live to be burnedly entertuned, and as but few come forward,

their quality is not of the best. The pay of all writers and sal ordinates is already too low to entic, the class of men that are a inted, and to hope to improve matters without extra expense is narrasonable

The promotion amongst the subordinates is so slew, that men do not willingly leve their regiments to you the department and the best men likely to make efficient warrant officers whilem non you it at

To improve the efficiency of the department, it is first necessary to improve the status, and so get good men, who will work willingth. Fo do thus, a higher rate of pay should be given to the sergerals. on fir t joining, and claps should be tal en to improve their promotion

As regards gonerates, each year produces a worse class of men. The speaking and mining of English me necessary for appointment as a gomashit, and men one generally find more hurative employment elsewhere. Gomashit is an often treated hally by officers in command, who look on them as any other Native, only to be abused, and on a company they are threatened with flogging and otherwise treated as bene th consequences. The consequences, that few decent men will necept the both the commencement of a company, all white senses before them, and when number of near general control and a company, and with the senses before them, and when number of near generalized are reported, no trusted must not forthermap, and, with the exception of 1 few must be greatly as the department and given in the log-number and future only must, the greater numbers who come forward text in it of different powers. Kolung will unprove the 1 th numerice of white, and a latengent to their engineing the proton of and included of a good as it more question), on white service

6 How can expansion in time of war be provided for?

Colonel J T W New Commo swary Ge tenl Be gal

See answer to question 5

Colosel R A Moore Acting Commusing General, Madras

Only by enterluning fresh lands new to the nor 1 and by purchang and hing transport. The lared transport would connect of juck-ballocks and country carts. Neather camele, olephants, not makes are procurable m this presidency.

Lee tens I Colo of M W Wil longilly Act g Commonly Gen

(a) By providing for a periodical return to regimental duty of all commissioned officers employed in the commissional department The efter a true, would give a certain number of officers serving regimentally, who would be acquisited with the working of the department, and whose services might be secured in time of 11/1

(b) It registering the names of regimental officers designs of entering the commissariat department, and who might gain a certain I nowledge of commissariat duties to attending executive

commission it offices whilst screing with their regiments (c) By detaining a certain number of men in cach regiment as office clerks, ballers, and butchers Luder this section and account management would the the field independent of any extra exclusion that the field independent of any extra exclusionment, would be complete in itself, would draw its supplete in this from the commissers of, ind would commit in time. The ment, too, being trained solviers, would be an newstance, not an immunisque to the norms in

(ii) A register of pensioned chals and subordinates should be kept in view to employing them (if capalle) for performance of cantonment datas on emergencies, thereby freeing for active service the

comper new magazent employ (c) By unproving the jor and the position of the Native mey ceter, whereby men of the required

cla s would be attracted to the s ruce (f) Ily true for nee of cherls (temporarily for contoument duties) from the offices of other leg artiments of Government—the jubble works department for instance

th 17 H 4 Pr Depts Charactic end by rai

The reply to this question has been included in the reply to the list, and a reference soluted to a pendices

C Willad OF as a B .C r ssc -Hips Cri

As at present, by withdraining a barg number of comma uncleffices and fair pe in and Native embordantics and a cuts from the various settings, the places of the latter long filled up temperature for a peak in the latter long as the Book of an and Marie Valence had to be drawn on for offers. This, however, only I stidly it wides for the requirements, and the engineer of tempor re e this ment, spur I same all other pents be to be received to bree extent, men obtained under these circum tonics and one of the berg frequently medicant and untrastriction, in crossing goods. the labore of the comman ment offers in the field

Co 1 J K Dep y C m mm ary General L Circl 1 ags

The commessa at needs trained officers of all grides. Fres hands are next to I ss-somet m s we so than useless. The me ease I have re omm nded would I trust meet all eq rements n t me of pe ee nd war In time of it ould st | be nece st y to obt a some fresh I nds to supply the places of off ersof algrals on service and this is the only kind of expansion in im ted degree that I consideration

C 16 S Valetin D pn 5 Com General C in n ris, ch go of th Khyh aill ramil or

Only by acrease of the department and extra expense

L n nan C n I V Hun Dep to A an Communary G B g

Expansion n time of wa can n my op n on only be prov ded for by ste ton of the 1 accestable ment on a more simple foot ng inste d to the your or well are season increased a more simple foot figurate of of rode in, the man mum. Some persons any off tone or the made by means of a system of all the lips of uppention of small stares and by tracking substant of or and non communication of the m as oned officers tempo y n tu n to comm as n it execut ves gr nt-ng th m some small staff allowance while so employed

y open M. A. Rowland on F.

I we k suggest that officers of the Ind on a my under the rank of cap am should be qurd to pass an examination neomm sear tidules in the same manner tittey nov pss naty law elements n the s me manner is trey now pss in it y live elements of tetes &c. But they should be not to cheef to a stated p nod to one of the h ge commissa at oil es fo ust ot on. By this me ns a rese vo of officers the some kno ledge of commissa at dites would be formed and become vail ble to the assist nee of the regul. depart ment n ismo of war

W Luk Dpiy Ans Cummuney Gover Um

The present way s to withdraw permanent establishment and to complete by engaging extra establishment
To oblian file of timen in the stock time which is generally granted

to the department fo sumangements sumpossible and the guneral ty of men thus en sted a c n the c unse of a campa gu fo ud uscless ty of men thus ear stol in on the cluss of a compagn to not nesters and some a sea showest and other prove me on a monitorium than man as thuse to the commanser at offer. The oly my to remedy metra not nested to the commanser at offer. The oly my to remedy metra not nested to the command to ous ou stion

Capa JFH yF nive

To rap dly expand the agency of the department on un outbreak of wu s of course mpossible but much can be done by assisting that all

we use of corpse impossible but used, can be done by masting that all toop going to it forwards if line we is them ps. e < t comments at agents e < t citalling seg and so growthias assessment grows is a service and to keep a borth e < t corps. The as tendency one by a lat large tendency one by a large larg

of their section) and they cannot be need to ct a the suppositions of the most act of the saint and so norms used grid eps so stows could be sugged by 0 or 30 non commuse send offerer from x or no to being pased to to depose of the commuses, general to soon to a war set or mode on those more call be sent to the difficult large dept and out soon become effect ent po ded to a the fit substance of your data of x or not and knot second that and had you could have a hold be supposed to the fit substance of your data of x or not and knot second that and had you could have a fit of the substance of your data of x or not substance of the substance of t lowerer one fo and on te persent rate of s first of lowerer one fo and on te persent rate of s first of lowerer one fo and have to keep pase and and buy cooking tens is &c

Is there any advantage in keeping a separate purveyor's establishment for hosi tals 2

Com l I Vie Cam

I conside the perors agreet mostal and so I believe do the mad all offers as a rave the od stewards we emuch preferred. The nite not on of 1 rector b said d gre tly a the of of the lepart ment with rucco sae ery length v and c mbersome I hould be gld to se hem bol h d

Commony G or Vides

Hosp 11 eyo s are required for hospitals and cold not well hed pened with

Leu nant-Coon M. W Wal l g b g Coumasary G n m B mb y

As the pure or s responsible for the washing mending &c of the he p tale o ng t s neer y that he sho ld h ve the control of the servants he are de a lel to t e e duties and who compo e the pur eye s

Colemel J. Keer Deputy Com m sear General, Lower Circle De igni

The commessarat needs trained officers of all grades. Tresh hands we next to useless-ometimes worse than useless. The increase I have recommended would, I trust, meet all requirements in time of peace and war. In time of war it would still be necessary to obtain some fresh hands to supply the places of officers of all grades on service, and this is the only kind of expansion, in a limited degree, that I consider safe

Colonel G S Machean Deputy Comm soury General late in Com in source charge of the Klipher and Luram Porces

Only by mercase of the department and extra expense

I et temant-Colonel I V H est, Deputy Ass stant Commussary Ge cral Hergal

Expansion in time of war can, in my opinion only be provided for by retention of the peace establishment on a more ample footing, instead by means of a super-mone estimatement of a core super noting, instead of reducing it to a minimum. Some provision might, bowever, be made by means of a sistem of additional pand apprentice cleiks and agents on small salaries, and by attaching saladierin officers and non-commissioned officers temporarily, in turn, to commissioned executives, grant-ing them some small staff allowance while so employed

Major M & Rowlandson Ex m ser Commissurest Accounts Bo ples

I would suggest that officers of the Indian army under the rink of I would suggest the choices of the instant army under the rule, or copium should be required to pass an examination in commission if duties in the same manner that they now pass in midding it we demonits of thecise So, So, and they sho bid by attended for a stated period to one of the large commissional officers for a material or by this minum's receiver of officers with some houseledge, of commissional dirties would be formed, and become available for the assistance of the regular deputment in time of wat

Major W Lackbardt Deputy Assertant Commissary General Um

The present way is to withdraw permanent establishment and to complete by engaging extra establishment

Po obtain efficient men in the short time which is generally granted to the department for its mangements is impossible, and the generalrty of men thus enlisted are in the course of a campaign found useless, ty of men thus especially are in the course of a chilpingh found ussless, and in some case disboard, and offers move more an immunitume than an assessment follow communisated follow? The only way to remody matters in this respects in my opposite to drift field eshablishments to a larger extent from station establishments, and to fill up the reconcest consider in the latter locally. Then way to enable that being done not a larger extent from a typic remoder in the latter locally. Then way to enable that being done not a larger seals than at present, I have pouted out in my sophy to the provious question

Capta J P Hobday Executare

To rapidly expend the agency of the department on an outbreak of war is of course impossible, but much our be done by insuring that all troops going to the front shall have with them pairment commissional

segmin to the account time time and primers committee the segmin time to the committee and against a principle of the committee and to keep a best in a state, letter men temporally engaged to with the troops B; sending away all permanent men with troops going forward and letting their places in carriements in the bit of the committee and the committee second group in promounts not than stoop going contract site strong, case probet in tomands be block by fremporty men, a large merces to the deget inters as at once genned, and there men soon four their work, and are as lable to be pushed on a turn. The value of an appendixment as the commissional to, however, to small, that them will those it my state this protect on-term server, and set that see only inted by the month a wages, there are no hold on them (excepting the confiscation of their vectority, but they cannot be forced to return their appointments.)

on tears escently), that they cannot be forced to return their appointments.

The intense of the warrant and some commissioned guide pack shows to war could be turringed by 20 or 30 non-commissioned efficies from regiments being placed at the disposed of the commission, pectual as soon in a war war deformed on. These non-could be easi to the difficient types depids and would soon become efficient, provided that in the first materials they could read and write well asked seen as the standard of the second of the second second of the second of

Is there any advantage in keeping a separate purveyor's establishment for hospitals p

Colonel T I Wiles Comms sars General B seal

I consider the purveyors a great mustake, and so, I believe, do the medical officers. As a rule, the old stewnids were much preferred. The introduction of purveyors has added greatly to the worl of the department and their recounts are very lengthy and cumhersome. I should he glad to see them abolished

Colonel R A. Moore, Actuag

Hospital purveyors are required for hospitals, and could not well he dispensed with

L extenset Colorel M. W. Wallengthr Act of Commissury General Bambay

As the purve, or is responsible for the washing, mending, &c of the bespital clothing, it is necessar, that he should have the control of the servents who are detailed to these duties, and who compose the purseyor's almost entirely dependent upon the establishment, and it is considered consequently unadicable to imput the efficiency of the latter

Copt of I Haldes I weed to esamat Officer to Isl r

Oning to e ustant calls for reduction luring the last tim years, the diprofuent his be nuchiced to the lowest extremits, and er a become in prime in the weather that the content in the content to the content of the con

class of men that are a sited, all to hope to may rive matters without extra expense as more a shall The promotion among the subordinal em so then, that men do not a allough lease then regiments

to your the department and the lest mandely to make efficient a great officers related non-your state

To improve the efficiency of the deficiency of the deficiency by the first necessary to improve the status and so get good men, who will vind willingh. Indo this, bughers to of parshall be guen to the regionits on hirst journey, and step s should be tilen to improve their premotion

As negatile generalities, each terre produces a worse chas of men. The epoiling and writing of Figheline necessary for appointment as a gonerate, and men can generally find in reduce employment cherein re-Generally are eften treated bulls by others in community who look on compositions occurs to come and a receiver of root at many of the reflected with the garage of them ream of it fatter only to the old and and on a company of the reflected with the garage of otherwine standards from the consequences that the observations of the consequences that the observations of the consequences of the co here relations in the department and join in the hear of future complexion in the prester numbers who come forward no the rivide of different between Nathing will improve the but an increase of selars, and strugent rules regarding the position of and tre facult of generally more especially on acuse SOTVICE

How can expression in time of war be provided for?

Cole of T. I. Walter Course stary Ge teral Bot a fi

See meserer to question 3

Colonel F A. Moore Acting Con marry ber eral, Madras

Only by entertuning fresh leads new to the work, and by purchang and hiring transport. The lared transport would consist of pack bullecks and country out? Norther cursely, elephants, nor makes are procural le m this presidency

L entenn i-Cel nel M N Wil loughb A to g Communiary Co ceal Bon bay

(c) By providing for a periodical return to regimental duty of all commissioner oneers compaged in the commission upper member of officers sering regularith, who would be required with the working of the department, and whose services might be secured in time of na:

(b) By requiering the names of regimental officers de none of entering the commissional departs mont, and who might gran a certain I nowledge of commissaret drives by stitending executive commissaret offices wholst serving with their regiments

(e) By detailing a contain number of men in each regiment as office clerks. bakers, and butcher Under this system each regiment would till a the field independent of any extra establishment, would be complete in itself, would draw its supplies in bulk from the commission in it would recount for them. The men too, being truned soldiers, would be in issistance, not in membrance to the arms in

(1) A register of pension d challs and subordinates should be kept in view to can loving them (if espable) for performance of contonment duties on emergencies, thereby freeing for active service the

Jounger men in present employ

(c) By improving the pry and the position of the X-time impactor, whereby men of the required of a small be attracted to the service.

(f) By transference of clerks (temporarily for eminament duties) from the offices of other departments of Government-the public worl's department for instruce

Color of I II Sibley Beyond Communicy General Higgs. The reply to this question has been included in the reply to the last and a reference soluted to appendices

Colon IV I Brouder Offe at g Deputy Commissory Count Upper O tele

As at present, by withdrawing a large number of commissioned officers and Lumpers and Nation subordines and gents from the values stations, the phases of the latter heng filled up temporarly at far as possible in the late emprays the Bouley and Madris presidences led to be driven on for officers. They, however, only purhally provides for the requirements, and the engagement of temporary establishments as purchasing and other agents has to be resorted to to a large extent, men obtained under these circumstances and on short not se being frequently inefficient and intrustmenthy, increasing greatly the labors of the commissurat officers in the field

Colonel J Keer Bepaty Com massary General Louer Circle Bengal The communication models framed officers of all grades. Fresh hands are next to underso—concinned wors with weders. The mercest I have recommended world, I trust, mert "dl sequeronesis in time of prace and wat. In time of un it would still be necessary to obtain some fresh hands to supply the places of officers of all grades on service, and time is the only final of expresson, in a handed degree, that I considerated

Colonel G S Macbean Deputy Commissive General late in Comn assert of large of the Klyber and Lymna Forces Only by mercase of the depuriment and extra expense

I sentement Colonel J V Hants Dep to Asserts t Commissary Ge eral Be gal Dynesson in time of viru cus, in my opinion, only be provided for by refeation of the peace of shibalances on a more ample footing, instead of refloring it to minimum. Since provision implif, forevers, be made by means of a spriem of additional paid appropriate elects and agents on small values, and by without goaledine of liters and non-commissions of one temporuly, in time, to commissional executions, granting then some small staff allowants while so employed.

Napor M & Rowlandson Fx am nor Commissariat Accounts Bombos I wenth suggest that offeres of the Indian wany under the rul, of explan should be requested beyon as extremelyon no commercial chains in the came manus. But they now pres in mixtury law, elements of techne, to, E. e., and they should be witched for a stated period to one of the laye communicant offices for instruction. By this means a reserve of offices with some knowledge of communicant draines would be formed, and become rawhible for the assistance of the regular department in time of the significant content is the content of the content

Major W Luckhardt Deputy Assistant Comm sary General Um Balla The present way is to withdraw permanent establishment and to complete by engaging extra establishment

To obtam eliment men in the short time which is generally granted to the deprivation for its trungenessies is unpossible, and the generally of our three course of a comparing found unclass, and in consecrate submoveds, and offers price mean in membrane time an instrument officer. The only way to remark matter in the reported in a my owners to draft fall establishments to larger extent from statum est belonests, and to fill up the vommens errord in the hittle lectill. The way to evalted this length on larger each time at present, it have possited out in my roply to the previous question.

Capta : J F Helday Promitive Commissariat Officer Randshar

To rapidly expand the square of the dignatment on an ontireal, of war is of centre majorable, but such can be done by meating that all throng song to the finest shall have a till them permassed communication agonds, ϵ_e , victualing sengents, gomeshias, sensiting generality, and purely on E there is a tendesory on the part of Nrives to silmak votivo

service and to keep a beeft in a station, listing men temporarily engaged go with the troop.

By sending nearly II premares men a sit troop come floward and letting then places in comments be taken by temporary men, a large macrose to the departments as at ones guized, and these men soon learn black words, and are entitly to be possible on an usu. The value of an appointment in the commensant is, however, so small, that men will show it up takes then precede on active service, of a title, are only hardy by the month's a uge, then are had been then (excepting the conficultion.

of their scennty), and they cannot be forced to setum their appointments

to control venturely, and they enhance as become used appelentaneous. The increase of the scannar and an enounterwood garde receives to var could be urranged by 20 or 30 one commission of officers from regiments being placed at the disposal of the community-general n when n is an n var deformed on. These one could be east to the difficult tiping depole, and would some become efficiently provided this, in the first instance, they could read and north well and keys account and had present a collegard examination in Illustration Theorem we would not, however, come foreviral on the present rate of stuff p $p \times p$, 18: 20 x month, as they are expanded from their mean and have to keep p a scream that they cooking elements p.

 $7\,$ Is there any advantage in keeping a separate purveyor's establishment for hospitals 2

Colonel T I Walles Commus sary G noral Bengul

I consider the purveyors a great mostal e, and so, I believe, do the mode of officers. As a rule, the old stear with were much preferred. The mitroduction of purveyors has added greatly to the work, of the departiment and then accounts are very lengthy and combensome. I should be glad to see them-tablebody.

Colonel R 1 Morre Act ng Colons stary General Madras

Hospital purveyors are required for hospitals, and could not well be dispersed with

Legicount Colonel M W Will long by Act of Comma stary Gen etal Bombay

As the parterer re-responsible for the washing, mending, &e, of the hospital clothing, it is necessary that he should have the control of the servants who are defauled to these dates, and who compose the parteror's

could him to I if the servants a collowed to marge at the general law, I the stable him to be could go of by here some of density in gotting the coll of toff time. I am he does of opinion that the protection system is 1 by the man are after an end type depending the their work. Dig law explored a butter and now could servant. I consider that a large stable and the stable and large the second is a did not be about any property and that the stable large the second is a discrete them to the examiner and supervise the whole exhibitions to 10 opinion are and most the colors of the modelin office of the region of the color of the modelin office of the region and any attention to the commission of the color of the modelin office of the region and any attention that the stable property of the commission of the region and the stable property of the commission of the commission of the region and the stable property of the commission of the comm

Colonel T II Shlow Dep 3 Commun 3 Genum II gal If a jury or mow pe form 1 any of the dites 1 led devolved on the size in 8 forms by site ded to loop this 1 consider that the jury of such lide on my by a sixt termine structural and side that the total variability of total of the exposulation of the total of the theorem 1 by a sixt termine the country of the property of the size of the man is bracks. In this country is not set that the property we call set as a nature common arrivage unto 1 ones detailed where the development of the theorem 2 is not set to the theorem 2 in the property of the size of the theorem 2 in the property of the size of th

Co onel M J Browler Offent g Deputy Comm s 3 G n I Upper Carele Certa all. Thus department was constituted to do obt the last ion it to ref on the complement of the its last of the many for the complement of the compleme

Colon J ler D pois Com n ss ry Get n Lower Circle Bengal

There as a boap ways sestall since the or one to do the same well. I that it should be as formely under the medical officer and not under the commissment officer.

Colo el G S Maelech Dep y Community Sem late a Communitation of the K pheroual Kurum For esUnless the medical deputment will tall other the purroyor's duties the useful and necessary work done by the purveyo cannot be done cheapen and better

Colonel B. Q. Ma nyern = D goty Assument Comm samy G n eral Madras The bosp ful purveyor s of the greatest are stance to a doctor (par ticularly one ne ly airred from home) in many ways which present prefer evalue confusion in the usue of d its and accounts

La utenant-Colone J ∇ Hunt Dep by Δ a s Δ t Communicary Gen eral Bengel

I do not thank that the proess system has any advantage over the objects a system a which the woll was done by the regunerate commensurate agent and the bospath sterved. It is lowered necessary that the regunerate agent is outductored as a session to hosp the work.

Major M A Rowlandson Fa mann of Commusariat Accounts Bombay

If the we can appartic puncy to establishment, the dates per formed by that chees describes both on the march on examinant would be to be performed either by the method subs disaste or by the commensant magnetic visiteshed in the throng. The objection to the machinal subs disastes a choice as they use fully engaged in the six charge of the speed disasts both professional and a prot of and lever no time to do not be even of the name or as do so deletting beliefing a ratice of de two ta. See which belong to an hospital. The cormensariant aspector has to assess a stone and diets rather oldes in any the same of our the contractes or only purel asse. He is well as not transparfer the contraction of the purel asse. He is who to arrange for the citil uses of quint on their morth and a responsible for all cump continger one such as a pily of starw to 0 1 & 80 and he time stoo fully tall on my to allow of this undertaking the purvejout

Majo W La khax t, Dep ty A s stant Co news a y General Umba la

ts I believe on P regions are breedly responsible to commiss and
office a for the case and entedly of the stores entrusted to them. They
are in fact subord nates of the department which the ster is who were
formed by employed, were not

Cap a p J P Hole v Ps 12 ve Commuses 12t Office Landalur Yes — The purery or and he esta hisha ent a constantly at work and fithey were done any with some one else ould have to do the woll such as a lost tall stewarl.

8. What are the quantities of reserve stock maintained by the commissum and why $^{\circ}$

Colon 1 7 1 Willes Courts sawy Gen ral B ngal

Promptly only tax English here used list and log tal clothing as left. Tax only the month's Laglish here we menths in many year bland ets all legislad before years for extrasses and the interior fixed presents of Engerics of supplies from Liveys or these now treatly obtained as materials by the most my takens of the safety and the properties of the safety of the s

estimate and owing to the great extent of country over which the distribution occurs rum is kept in reserve to age, as fresh rum is objected to by medical authorities

Colonel R. A Moore Acting Commissiony General Madras

The reserves I ept up are principally of such articles as are procured from Pasland A reserve is required to prevent our running short, and to allow time for distribution to ontposts

Malt Liquor -A, three months reserve in India, six months' in

Rang -- Engleteen months' stock New sparst as unwholesome, and this reserve should be mereased, not diminished

Tex -I ree months reserve in India , six months' in Burma Salt meat -Three months' stock

Preserved potatoes -- One year for troops in Burma

Hornial clotte g -One year's steel

Porter in wood

Corbolic acid -18 77. Ibs on an order of Government, dated 1st April 1874 and G O dated 4th November 1872

McDorgall a dissifeeting powler -32 000 lbs , G O dated 1st April 1874 and G. O. dated 4th November 1872

Warm clothing 3.000 blankets, 6 000 flannel bamans.

6 000 flamel drawers 3 000 purs shoes on a special order of Government dated 22ad August 1878 owing to there being no stock of warm clothing in store when required for toops proceeding on service to Malta

Locatement Colonel M. W W 1 largiby Act ng Commissary Gen eral Bembay agno. Beer m bottles thre Six months' reserve plus the quan-Biandy French Obtained from England th Secretary of State Port wine tates required for a years con-Sherry wine sumption Hops Lasence of beef (No reserve, the quantity for a Salt moet year's consumption is obtained Carbone acad in instalments Blankets £2 000 Bedding Six months, plus the quantity required for a years con-

sumption A small reserve of provision articles for E tropera and Native troops and public followers is stored in the fortiess at Asirguih as a precesu

tionary measure

Rum

The articles obtained from Faghand through the Semetary of State are drawn on indent, which includes a reserve of six months stock, are drawn on indent, which includes a reseric of six inspites stock, with exception of salt meat call olio acid, and blankets but as the indents are complied with by instalments the six months reserves not always in hand. This reserve was fixed to meet emergencies, or loss of supplies in transit by sea

As regards rum which is a local supply, the six months' reserve is to meet the contingency of the contract breaking down

Colonel T H Sablor Deputy Communicary General Bengal

Reserve stock of certain articles only is lent up where these articles are not readily procurable on the spot such as tea, run sugar hospital necessaries and other reserve stock is kept up at frontier posts where there is a prospect of their being out off temporarily for their supplies The quantity of reserve stock is not in my opinion excessive, and at certain frontier stations I recommend the provision of a larger supply of all attacks req i ed for equipment of trougs. The hirty collection of inferior relicies is a most expensive mode of meeting a want, and unpairs the efficiency of the arrangements for putting an aim in the field

Colonel M T Brander Offic at ug Deputy Commissary General Upper Circle As follows -

Reserve of stock articles lept by Commissarial

Danifectuats . 6 months Gooking utensils 5 sets Rum I year Disinfectants Malt house 6 months Ten 1 month Hospital clothing 20 & 80 pr ch

...

For use in the stables of Br tash cavalry and artillery either during an outbreak of epidemic sickness or when there are good grounds for anticipating such an attack.

Wines and spirits for regio e tal hospitals

No regular reservo is maintained but in the Commissary General screeniar No. 50 of 18.7 it is not seen that when supplies are obtained from Calcutta, "a three mosths' stock should be indented for at a time

Provis one a d cattle at police Fort G caltor

Wheat	mds 652, 20)
Race	lbs 2 240 0
Salt	, 560 0 Reserve at present maintained
Turewood	80 960 0 aga ast times of p blic danger
Ghee	mds 70 and disturbance
Dhall	22 74.0
Gram for bullocks	" 180 0 J

It has been proposed by His Excellency the Communder in Cline to mercase the resurre stock to 500 Zenepen me 100 200 Autor collicies of 507 Zelizares 100 enables. 609 Zelizares 100 Each of Selizares
	Mds S C		Mds S C
Wheat	2 546 28 8	Dhall	255 87 8
	ibs oz		lbs oz
R cs	17 062 8	Sugar	10 664 1
Salt	63,40	Tea	3 046 14
Turewood	204 750 0		Mds S C
	Mds S C	Gram for bullocks	273 0 0
Ghee	85 12 8	***************************************	

The stock is periodically used and replaced to obviate deterioration

Provis out Dell's Fort

	10% 0Z		T) Cla		
Race	3 765 0	Wheat	927	15	Û
Salt	2 071 2	Dhall moong	131	28	0
Firewood	4o 180 0	Ghee	50	2	8

Coffee

In the Commissary General's annual estimate provision is made for a reserve equal to two months consumption but no reserve stock is actually maintained

L'enterent Colonel J. V. Hunt, Depu y. Ass stant. Coum ssary General Bengal. Reserve stock —
Rum 12 months consumption and 12 months reserve of rum
Tea 3 and 1 months reserve of tea

S gar—six mentles Breadstuft—ditto

Slughter stock—one month's

Rice Potatoes Salt

Sait
Barrael, petty supplies
Barrael, petty supplies
Barrael, petty supplies
Hospital necessaries
One month s

Puel-three months

Hospital clotding and blankets—20 to 30 per cent Such asserves are maintained to guard against failure of supply

M you M A Rowlandson F ans zer of Commun ariat Accounts Bombay

A stringent is officient during the quantities of reserve stock minus and. It would be seen that the only convex kept up in this presidency are of such articles as an oblate after into Ingland of which as months supply at lept to provide for any mulden emergency or for the temporary microraption of communications. There months' provide the property of the provide for the property microraption are consistent with the provide of the formation of the control of the formation of the control of the formation of the forest of the formation of the formation of the formation of the for

isolated fort and might be cut off from communication

of hands from the permanent establishments and by entertainment of new men. On the cosmon of the Afglan enupsyn, the Government of Bondry fixed the extra say to leaf a ut-fifty per cent of their salstantine pay (Government Resolution No 1007, dated 25th Novembe. 1878), and reported to Government of Indiv. and these is in according with the vite of initia allowed in Bengel to gowesters, and in Bengel and Bombry to pure, so no command, e.e., on enterty service any from them station, and appears to be the lowest extra remomeration that should be allowed.

Colonel T H S blay Deputy Communicating General Bengal.

The agents and others in this emprops have only recovered the same messes day as used, would recover when gaing out an ordinary march in Each and eled's severing in Mydamadan in the rimy we placed on the same feeding as deeds moved from chealth to Unable 1. I concern the circles accompanying in immy on service should receive greater reminer about that these serving quotify in enforcement. The desertion and issignation of many subsidianties powers that extra indiacoments must be held out for man ordined on servine.

Colonel M J Brander Offic sting Departy Comm sarry General Upper Circle

Commissant suborhisates, Maropera vad Mettre receive no more Pay when on screen term they do hera accompant my frome maching to extinary times or at earny of excesses, except that all cled s, tegents, and other establishments when on serior eget for autone extra "Hordinaria mechang pay is given to enable subordunates, deries &c, to mache the adult can't espaces incurred in hiving to provid temestes with marching equipment and to mandam a second establishment for file in families, but are colored into the oxecompany from their yet proper long engenally faced as suit-tibe for the performance of their diction was the stationary.

Colonel J Keer Deputy Commissary General Lower Circle Bengal

Does with the 50 per cent exter pay allowed deels it is most difficult to get Nature elected to go on server. They and other subschattes, if marrid, are put to extra expense while on service, having to maintain two extribulements. I should recommy can be effected in this settle order. Exhibitation samply would not go on service without to independent of pay. Worrant and non-commissioned efficies recove but very little exits a habitate on service.

Colonel G S Mechean Deguiy Comic seary General late in Con in sevents clarge of the Li yber and laurem Forces Colonel G J Delrymple-Hay Ex are or of Commissionet Accounts Bo mil.

Custom, necessity, and justice

muntum then families separately

Colonel R. Q. Ma navar ng Dapate Assartant Com mean; General, Medras L cubenant Colonel J V R sat Please see paragraph 39, section xxvv, page 240 of the Pay Codo of 1849 The clerks, &c., are put to an expense by separation from their farm

Dop for Ass stant Commissions General Brogal

Major M A Hearlindson Examiner of Commissional Accounts
Bentlay

has, which claiks in stationary offices never unout.

Patry pay to examinisative subordinates, cleef a five, proceeding on service is given on the ground of their being put to sections extra expresse. They are indifficiently paid men, and on service they have to

The majority of such men we merred and have families. There pay no admiry times is inflicted for the support of all their households: but when required in go our seaves they have to leave their families behind, which entitle the terging up of three establishments; and in addition to this field service demands an extra expenditure on account of field litt, &c. See

Maps: W Ledicii I. Depid Commissional, were nit and non-commissionated offices generality and the balls (Leabing Commissional, were nit and non-commissionated offices generality and relational trade) are firm if they were delethed from their own a dations for cernings of excrese, &c The reason for group (fine exist, allowance with whom the project of these subscinnings was fired, it was not considered sufficient to cover extra expenses which we meanted by muchos &c, and which necessful a separation from their families, and consequently, keeping up

Capit n J P Holding Pacentine Commissarmi Officer Landator too establishments

The men are generally Bengalus and Hindus They have a great
dishle to retine extrace or any land of roughing at and man, of them
would be engine riches than go on their ordenay pay. Those selected to
go whether on more-set pay on rout, and in prior to remain where they
are the internal moderated thought at all Native establishments, using
as double beavers, &c. get extra pay or consumed, it is supposed the
system has also been applied to office elect's

States ert storme the reverse of storm top to by the Communitated Department, Bon bay prenderes

dames of art cle		Quan tes de ted for year 1800-	the	tresse q 1 tes of c sun plans one ses	for	Quantite reserve p v led fo	- I	Benrele
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Wiels Carbobe acid	lbs	39 900 1,011	0			36 261 5,125		
Blankeis, brown, Eu	rope, No	16,331	0	15,260	0	2,000	0	Re erre r de G. R. No 8501 hatek bih ho- ve aber 15" in add to to the reserve of call readler to the exte t of 151" there n pro-ded for eade G. G. No 6"25 of 16"2
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Majer W Included D paty as stant Commusing General Troballa.

To early place in which a reserve stock of supplies is lent up to any extent in the Bombay presidency is so far as my knowledge goes, Adon,

where, for political reasons, it has been considered advisable

It is true that in all godowns in it happer and jum is lept in larger quantities than are required for unusualistic commission, but this can hardly be called a steel reserve since it is samply for the reason that the cold reserves the extension in which the least westge is a bidly to occur in transit that the jets supply is made to the different sixtons at this time of the year

9 What are the grounds for giving Commissairst subordinates, clerks, &c. extra pay on proceeding on service?

Comed J I Willer Commus-T Ge milk gal.

The expense arrang therefrom Commissant clerks are constantly on detached duty are, is a rule worse paid than in most other depict ments of the Government service have harder and more responsible work All deris of Concrument of ces at as believed get extra pay on leasing the presidency to cover the enduling of expenses

They have to provide thems has with marching hit, and have to

CodPAMoor to gCom

make provision for their families kill behind I the pay is given to commercian t chert a and subordinates to

1 renated at 1 % Wi 1 ll Ac g C ma any Gen eat B mlar

(a) the mercred expends no consequent on their learning their framile tehind wild titles me on service,
(1) to meany them for the interved responsibility, labor, and

(f) to meany them for the menored and up they menod en es me it on service

In this pare lines, talknot then has been no fixed rede of extr. FY
to communities, leaks, and submittees. I connect a hen occasioned
if he are one, the Community General, and a the orders of Gavin
ment fixed the rates of pay to be allowed to the revenil clerk of 1. rubordinates, and such a rish-iments were made up par'ly by trons'er of lands from the personnent establishments and by entertainment of new men. On the coasson of the Afghina campage, the Government of Boubby find the extra pay to clearly affily for extra of their substantive per (Government Resolution No 547f, dated 25th November 1287), and reported to Government of India, and this is in accordance with the rate of batta allowed in Bergal to goussitiss, max in Bergal and Bombay to pravejace on command, e.e., on otherny service way from their station, and appears to be the lowest extra remainstitute that should be allowed.

Colonel T H S bley Deput, Commissing General Bangal, The species and others in this example have only received the same interested parts of they would receive when going on an ordinary march in Jude. In I clark serving in Afghanistian in the entry to placed on the same feature as cold in more from C-ducktia to Unitable 1. Conceive the clark secompanying an entry on across should receive greater names than the clark secompanying an entry on across should receive greater names that that these serving quartity in endoments T five discretion, and resignation of many sub-ordereds proves that extra inductions small behalf of the form and colded on across the

Colonel V. I Brander Officiating Depity Commissions General, Upper Carelo Commencent subsultanties, Dungers and Nation iscense on more pay when on screen from they do when excemping in goosy matching its ordinary times or at entire of excessive course that it clocks, agents, and other establishments when one save age for extrose viat. The additional matching pay is given to earlie subsultanties, clerks, \$6. to formet the additional experies meaned in having to provide timesters with matching equipment, and to invantam is record establishment for these fraudies when a soldow in the to incompany them, their pay proper being ongently fined as suitable for the performance of that dates when statements.

Colonel T Four Deputy Com m swary Gazzerl Lover Circle Bengal

Dren with the 50 pin enth exter pay allowed deeles, it is most difficult to get Mixture elects to go on sever. They and other school-mixed, if more ad, we put to extra expense while on source, having to mention two excitohalments. I am't think common can be affected in the sents of 1997. Distablishment and the think common can be affected in the sents of 1997. Distablishment and the think of the service without the inducement of pay. We carried not not commissioned officers receive but viry hittle exits whilst on service.

Colonel G S Machean Deputy Concensuary Ge until late in Conin surrai charge of the Khyl or and learner Durces Colonel G J Beltympte-Hay Exa name of Concensuariat Accounts

Custom necessity, and pistice

Colonel R Q Manager og Deputy Ass stant Commass og General₄ Madras Please see paragraph 30, section xxiv, page 240 of the Pay Code of 1840

The clerks, &c, are put to an expense by separation from their fami-

Licutenent-Colonel J \ Hunt Dep by Ass star i Commissory Gen, erol Bengal hes, which cleaks in stationary offices never mean

Extra pay to commissariat subordunates, clear s, &c proceeding on
service is given on the ground of their being put to service settle
express. They are undifficiently put near, rud on service they have to
maintain their fundies separately

Major H. A. Rewlandson Ex ans or of Commissanat Accounts Bombay The property of such man are neverted and have families. Their pry modernry-times is sufficient for the support of all their boundable? but when required to go on service they have to leve their trumbus behind, which exists the keeping up of two establishments, and, in addition to this, field service demands an exist expenditure on secount of field let, &c. &c.

Mayor W Luck) and Deputy Assatant Communicary General Umballa. Commercial in terruit and non-commercial officers generality, and appears get no more on service them on orderive two nonmits: no celebrate process of the more first of the pure detailed from them was attended from the own attends for cumps of execute, & E. The reason for groung the extra alternates with fixed the page of these inhoducities was fixed, it was not considered sufficient to ever eith; respects which are mentrated by nutricels, & on all value necessity a supervise of the transition of the controlled to the controlled to the controlled to the controlled to supervise the controlled to the

Captom J. P. Hol by Exer true Commission at Officer his idal ar The men we generally Boughts and Handes Tacy have a great duble to active service or any kind of roughing it, and many of them would seep and its thing on on their no ordinary pay. These selected to go, whether on merewal pays or not would profes to service when the As it is a understood thing that all baths establishments, and as doods-havens, &c. get extry my on corn and, it is supposed the system has also been applied to define clerks

The new of clark in the public works, pay, and other departments pe be ter then, in the commissional, and the department is therefor, not much weight after

10 What economies are possible in the purchase and repair of barrack bedding. highling of barracks, punkha-pulling, &c?

Colonel J L Willer, Commo s'ry General Beneral

Colonel R A Monre Actuary Come a sark General, Madras

None, except by reducing quantity. I believe the old bedding we much reclerable to the new

Burnel hedding is not reprised, and is promised at a moderate cost The blunket now assued as inferior to what was formuly assued, and ensts less

The lights formerly used in burnel's were merely night lamps, no grams sufficent light to read by Kerosine lamps no now being mittoduced, and b read's an being properly lighted from 6 to 10 rm

Improvements of this I and necessarily cause extra expense The cost of puni ha-pulling and watering fatties is reported or yearly by standing barriel committees, and their recommendations has

not generally been complied with Government has usually given a lump sum, considerably under the arl ed for, and sand at most suffice Leonomics can only be effected by those who are on the spot an know the requirements of each building

L'enterrat Colonel VI W Will lought Acting Commissions General Bombay

Burnel, bedding concrets of-Obtained from England through Secretary of English blankets State Cotton sheets Obtained by commission it densitment by less

contract at the meet rates

Inthesis obtained from Ingland by Quarter
Master General through Secretary of State Cotton satisuanees Bed covernon obtained by commission it ile infraent b Pillon eases local contract at charper rate than hom

eupply Leather strap with Ordernce supply buelle

The outer crange of the lamps, 10, linters and oil for highling are obtained by lee leen freet the humers and channess and walfrom I agland through the Secretary of State Action is now being talen with a view to Lighting barraels and wals (and many other articles) conto be obtained locally by contrad as chepty a or chepter than, the home outply Beyon this I see no rom for economy, as far a commercial is concerned

The commissional deportment supplies doole better when earlied of fement and new more there are contents are entered into for punkla cookes. Under some machineral continuore for pulling punkbrs is invented and introduced, I see in motioned of economy in this item

Poulha-pulling

Colonel J Reer Dapaty Commissary General Lower Circle Bengal

I can think of none We only supply these whicles. It is for regimental authorities to answer this question

Colonel G S Machen Deputy Commercery General Inte n Com m scaract clarge of the hi yeer and Kuram Ferces

On the existing orders none Patterns of bedding, numbers of lumps and pauklass being fixed for the commissional department to supply the supply is made in the chargest armuse possible

Colonel G J Dalrymple Hay Dzam ner of Cumm scarast Accounts Bengal.

Than off on can suggest no encounter under these herls, but it than 12th Normal appears to be described to accordant all elbert use 12 to Normal not surviciously to reduce the present scale of learned to the control of the control

Colonel R. Q Meanwaring Deputy Ass tent Comm surry General Madras scales is about the same except at these stations where extra bedding is supplied during exceptionally cold weather.

The I has kluss tatties in barracks are practically useless as they are not watered except when an office is by and the men frequently more then during the day and heral boles in their

Mape M A Rowlandson Fx am ner of Comm sarrat Accounts Bombey

Mayer W Luckhardt Deputy Assutant Comm sary General Unballa This information may be more satisfactorily gained from executive officers, departmental and regimental, as they have practical experience of the requirements of the troops. A saring has lately been made by the initiable

I see no way in which it is exposes mearred on to reduced in the instance spoke in the question.

I was however of opinion that reductions are familie in the case of heapths and to them. Instand of the present sprinted peoples make to them. Instand of the present sprinted negative thought I would suggest a status hospital for Suppension and notice for Natives to be established. In the matter of supplies I am of quantum that the surface state of the present sprinted in the present sprinted in the present sprinted in the present of the present sprinted in the present sprinted i

I filede more partie filely to the complete set of clothing therein duccted

Capia 2 J F Hobday Executive Communicated Officer Randaliar to be kept up for founders and children

Form year to year for the last tun years every possibility of

retranshment on conseasy less been so gist out and adopted. Committees

have been shell it seed station with a 1 or to recommending and adopt
ing any plans to ensure occounty. It is believed that the problems of

bedding has this year been made in India; which will effect a saving,

let to intillar refer see expressed slighting and pull in pulling is unges
shle unless by doing away with pondates, except in hospitule, or the

invention of a modulene to pull them.

11 What is the actual price of the various articles of the soldier's ration by "contract" and by "agency" ${\bf \hat r}$

Colonel J L Willes Community General Bengel I don't understand the question. In probably every station some portion of the ration is supplied by contacts, some by agency—in no two corresponding. It is therefore impossible to give the information required.

Colonel R. A. Moore Acting Commissary General Madras The cost of ration articles at the several stations is shown in the annexed statement \mathbf{D}

Supplies cannot be made both by contract and agency at the same tame and place. The two methods of supply cannot, therefore, be accurately compared

(917)

ration by contract and by agency in the Madran preside my for 1878 79

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bire except Magina

R A MOORE, Colonel,

Actu g Commissary-General

(949)

Colonel T H Sley D puby Community General Bong I

The Commusery General well reply to this question but I am confident the s pply of meat and there d by age cy is economical and is most satisfactory in the interests of the sollier although the extra work thus entailed on executive office s in effecting these supply s by agency is very great and as a

duty of clici they would gladly be relevel

State no 1 slowing cost of rat ones a pp of to troops at the dr of a claim os: 1/c Unper Crele

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e Agra | C ra

M I BRANDER Colo el Offg Depy Con J Go & Upper C clo Be gal

Co coel 7 Keer Deputy Com m seary Gone a Lio or Circle Bengal

The poes vary every nonth at every station. There are no fixed lates for bread and beef. These depend upon cost of wheat and cattle & But I g ve belo v tl e price of a sold er's ration at I ort Will am for June 1879 -

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e. The ices m ried care supled by contract

Colonel G J_Ds symple Hay The contract ates for the supply of tea and sight in 1878 19 were Construction at Ac-Exam nor of as follows -Rs A P counts Beagul

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The other art cles which form a soldier s int on are

Salt Bread Meat Potatoes or other vegetables

Ree er an equal q anisty of flour 1 res cod Bread and meat we stoppled by a ency the average gency rates per handed lis in 1878 9

R- A P 6 1 41 throughout the presidency ere-Bril 7 21 B ef 1, 10 1 M tton

There are ages are spicial sinel for report in the firme liver exist the desirtment The other a ticles are simpled by coming to age a remay be decided by the Commissing

G ne al Revotes a high vary at the different stations are not compiled in the are averages struck as n the Co Depui

n the case of bread and ment			
on R Q M n ng	Agency		Contatra offered for 18 J-50
atv A ta t Communicaj nal Madras	Breal 105 lbs per rapee		14 lbs perragee
	Beef Is		11
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			Rat s a cept d
	R ec)	ol lis per upce
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	Potrtees	\$\one	loi lb '
	City regetables	1	f0 lbs
	l e cod	1	404 Ile
	Salt	1	19 Nor

12 Do you see any reason why the commissurat officer in a division or district should not come more directly under the orders of the general officer?

Celonel J. I. Willes Commissary-General, Bengal In all methers of dampine, commensurate officers are as deneity under the orders of commending officers as any others. If my common set all of as to whether we should all parties to be under the orders of the Commander in Charl method of Government, I understringly say the former, though I am name these we difficulties and objections to such an arrangement. Lastly, if my versue as to ecceeding in working the department of wanted, I is said say appears I commensure to entire unto the whole working, melaling seconds as needed and instited, it is not becommender edition and no made of the controllers as pertained to the commanders, and left is the considered whether the present cambered accounts and said crustals be improved and communicated to the great relat of accounts and said crustals be improved and communicate to the control of the order of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the dense and with I family before manular of one that we sheetededy outfaless, and whoch hencelles no one but the amount of their latest we

Colonel R A Monro, Acting Commissory General Medicas The general offices cought not to interfere with the duties of commission officers is public accountants, but in other respects they are under the general officer

L'entenant-Colonei M W Wit lo gl by Acting Commissary Gen omi, Bomiss The commerciant offices of the division or distinct is already under the orders of the general or communding offices, and his position as a member of the staff has been hitely defined by Government of India lotter No 941, dated 19th February 1877

The condition should be fully and unaccreelly recommed. Under the ratins of the department and the unitary span of the officer will be mantaned. Commercial offices have to rote mattered departmental closel for the order of the Commercial General, but this should not sed need say, interfere man year year that part year in that not the general effect, from whom the commission of the relation of the interference and the commercial contributions of the contribution of the low orders direct, and not through the medium of understand officer.

Colonel T H Stley Deputy Communicary General Bengal.

I consider at most describe for the interests of the service that the commission of their closels he regarded as a stiff officer of the general, and their his relations with the general should be of the nost intimate and conflected nature. The general difficult ensemblering that while he has to which our the interests of the option has to which our the interests of the option has to which our the interests of the option has to which our the interests of the option.

The conflection is not a support of the option of the option in the option of

Colonel M. J. Brander Officialing Deputy Comm stary General Upper Cirole, Bengal. The functions of commissions of others, chiefly consisting vs. being disblaries of the public monoy for the purches of anyshes and him of correge for the many, it follows that their action man be restricted by the rules of Government under the shock needs, and this, unless general officers we neverted with discontants pour is to the expediture which they do not now possess, I do not see how the officers of the commissions in the show expects; can come more directly under the commissions in the shore we present, can come more directly under the world to greatly on the same property of the commissions of the commissions department of the commission dispatched if they could be phosed more descrift under the orders of them generals, and recognized more throughly as members of the measurable this, than they was it present, for then there and ploubilly be a better prospect of their vestices in the feld, accessively of an important mature, being recognized out the other of the same chosen of the staff.

Colonel J Keer Deputy Commissary General Lower Circle, Bergal Communicated officers one bound to obey all orders of the general continuous leg the draws or or defined. It shall be mean entered and labely to stand useful from useful more reactive than three and There were seen to generally so more such and heavy that I would strongly advocate their present portions because life to the engenylly as I cannot concern an abut way the section with the benefited by a change such as the one engreedly.

Colonel R. Q. Mostawaning Deputy Assistant Compassions General, Madras By the Minist Geometrum Code, Section I., paragraph 10 commercial distributions of which with reasons and extensive and explored to this orders of the gas ord or stier afflicer commenting on all matters that not of a penal departmental nature. Anothing more than the would cause as much friction as work as the instruction of a man in the december howeled affairs.

Lenterent Colonel J V Hant, Deputy As stud Commus.ary General Be gal.

I do not see how the everative commerciant officers of a division or instruct can come more directly under the orders of the general officer sales the entire constitution of the department is altered, and it coases to be a cord department of the army

Louien at-Colonel M W W1 loughby Ain, Commissary Gen era Bombay

English equ valent Native name Bl stre Water earr er Bh judaree A cool on vessels

Begaree Labour Coolie Plephant attendant Cho skidar Watehman Dhob e Washerman Dhonger Touzdan Shepherd Head of elephant drivers Havaldar Chief of peons. Hammal Porter Hullal Cattle slaughterers Cl ef of elephant drivers Jemadar Lasca s Seamen

Muccadum head O esseet over 100 Government cattle and a0 atten lants. Muccadum, second Oversees over 05 Government cattle and 19 attendants

Mucendum Overseer of elephants Mahout Elephant d ver Mochen Leather we ker Malleo Gurdene Moto willy Driver of bullocks at a draw well. Marstry baker Head baker Moolla Sleep slaughterer

Natl Head peon or office messengers Nalband Farmer Nowgumes Labo ters carrying heavy loads by

pole and slings Watchmun Pagg e Ramos s Watchmen. Shroff Casl ca burwan Ca nel draver Tepus S reeper Tupalwalla Postman

Colonel T H S bloy Deputy Commis say General, Bengal Colonel M J Brander Offic at ing Deputy Commissiony General Upper Circle Biogul I have no memorandum by me showing the constitution of the Righia commissionat but I behave all the dutes penformed by our Nature geometries or agents are conducted by subordanate com-missional officers or cleaks in the English commissional To adopt English synonyms for the present Hindustrin words in use would it seems to me obtain no advantage inasmuch as in

address ng Nat ve suborduntes the latter would ha e to be albered to from their general gue ance of Luglsh
I will however give a list of some that occur to me

Native name English og svalent Gomashta Agent ordinar ly used Pulladar We ghman ditto Chaprasa or prou Messenger Duffry Record Reeper Chowdry (eart) Agent as contractor forcarts Jemadar (elepl ant) Head ele bant Leeper Mahout Elephant Leeper Sur, an Camel dr e Bhistie Water are er Water! Nockman Packali Puel al Wate lag Doolre Portable held cot Dandy Portuble hammock oot

English terms are us ally employed to describe the various kinds of work of the comm ssar at department

Colonel R. Q. Ma navar ng Deputy Asa tant Comma sagra G neval Madras

Personnel Ang to

Cattle establ sl e t

Mutsaddy Agent and accountant. Elepha t establ sl e t

Pourdar Superntendent Mahan at Dina Ca rurdy Forego-cutter &c Dubashy
Surwu

Hend maccadum
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Retablishment

Munshi Nat ve writer and translator Di ftry Office attendant Peon or chaprast Messenger Chowl dr Wat hman Gomashta Nat e agent Sirdar Herdman Tindal Healman of lasears Coolie Porter Mutsuddy An assistant Aut ve writer Me stry Master of any craft A cobbler or shoemaker any worl or n leatl or Mocheo Jemadar The healn an of mule or elej hant attendants Assistant I erdman Nath jemadar Minhout Elephant driver Syce Chowdry Groom A headman Nub-cl owdry Ass stant beadman M serldar Native tocord keener

M serbidar hat ve tecenik keeper |
Thologiar Manague of a leuke of camels or cattle |
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an I dooles

A Rat c porter who carries loads on his shoulder by a pole la len at cutler end

Substre Street C mel 1 ler
Acaste of Hindus employed pr ue pully for carra ng pall es

Bangbyi urdar or banghywalla

Ho jatal scullen Washerman Dhobie Bl stre I nier carner B ldar A d gger Nati e sa lor or tent pitcher Liger Mayor of a to n or c ty Ketwal Gwalla Co l'erd Mal omedan priest Modla A ca k porter Peepawalla Nall ud Horse of our An extra allowance of pay Batta

Art cles Granulated flour Some Cl nam L me A description of cotton eloth Namegol G mla An entilen bas n A water jar Julias Llurger earli en I as n Na nls Intle dergilet Sooral e Clolular , ter te el of carthenware Gl urrs A small earthen pot Bras all all a Han h Cl 1 mehce Ad cript o of cotton cloti nived Doc cot inl 1 tte ditto Alaro a M legel M Afnekulefee treette eleti Amaticoisp ermarient M 'n Kl L klus The root of a L nd of gra a used for tatt co Orleake

Khull e Kurbee Mote Pattie Taut or gunny Moon Srkee

Newar

Atta

Store art eles

Bhoosa Dhall Gheè Suttrungee Missa bhoesa

Stock articles

Bulhes Pull e Saffees

Karawahs

Sallectalis Pho yrahs Puel als Pund the Doches

Dandies Kurries Ch eks Dole Petarahs Jhampans Punkha

Tattees Bangh es Sepoy pal Sungabs

Guddela Gudd a Churuch

Ta vah Numda

Bhene

bhundui Lq pne t Thools

Elephant gear

Petter

M les

kannas

897 B Goorbund Gynnes Til yas Howdah Charjams Shooterkhana

Howdakhana Nuth Palan Suffra Pugh o

Ras

Soondlabas Thurrie Paytee Churoab

Ch plun Kumurbund Pyjama Zrendaz Chown

Majo W Logida dt, Deputy ds s at Consumsary General Umballa

Gomashta Chowdry Jemadar Maho t Tiesaldar.

A wa steleti

D y stocks of jowar plant A leather bag used for drawing water A long p ece of cloth of any k nd Course country canvas

A kind of grass used for making strings and ropes A grass with thick stalks used for thatching Broad tape woven from cotton thread

Flour of wheat or other grun Cl opped stra v The gram of vanous kinds of 'vetches Cla thed butte Red carpel Chopped straw and leaves of vetches

Small heams of t mber

Crates fm currying loads on camels A sq we pece of rough country canvas from which cattle

n e fed Small dusters used by knerders Rough country convas bags o tent cases Country hoe Camel mule or bullock water bags Cu to as or screens

Little carried by four bearers A kind of lill litter carried by two bearers Beams of wood Bamboo curtains like screens A leather bucket

A square tin box n skeleton wooden cases A hill itte car ied by two bearers A la ge fan s ringing from the roof A bamboo frame covered with kins khus for cooling houses A pole used by cool es for carrying loads at either and

Sepoy's tent Poles used by hillmen for carrying loads

The lower elephant pad ditto The upper A po of hides a water bag Iron plate fo balang cakes for elephants A Lind of felt pad

Riephant fetters A covering for elephants or bullocks

A. ladder l'ephant eo er A part of the elephant s gent S vord

L tiers strapped to the back of the elephants Camel yard

Store room for the hondah and gear Nose rope of bullocks o camels Cumel suddle for load

A squa e p ece of course country cauvas for feeding cattle Head rope Rope or leather rems

Pads used for prek ballocks or mules

A pur of los e trousers no n by Nati es

t wooll n pad for d tto G1 th for camels or b llocl s A leather cove placed under the water bags to protect the geur A l'and of co t worn by Natives

A co erung of red cloth for the clephant howdah A fly brush Agest Contractor and overseer Captun

Over eer

Elephant driver

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Supe intendent Head muce dum Second muccadum O erseer Daver Muleteer Chueller Cellur maker

Overseer

D ver

B lock establishment Super ntendent Darogah Cho dry Head o erseer Doffadar Overseer Ditto

Dayer Bearers' establ al ent Head masstry S per ntendant Foreman Petty mastry Po ter and general laborer Rea er

Licetenant C lead J V Burt I l o u.ed on Depay As but Communary list of such terms -General B agal Il o u.ed only English names in this report. But I subjoin a

Establishment

Nat ve writer and translator Munshi Office attendant Duftry Peon or chaprasa Messenger Cho k dar Vi tehman Nat ve agent Gomashta Headra n S rdar Talal Headman of lascars Porter Coolis An assistant \at ve wr ter

Mutsuddy Mustry M ster of any e ft A cobble or shocmal er any worl or in leather Mocl co The be down of somic or elephant attendants Jemadar

Na b- emadar A s slant headman Elephant dr ver Mahout Syes Cl o vdry Groom A I codmin Ass stant her lman

N ib allowary Native accord I coper Musealdar Manager of a batch of camels or cattle l okedar S rwan Ca nel de ver

A man sent in charge of stores from one place to another Clarun lar A grass-outler who supplies grass to two horses. Ta rier Jorn all h grass-cutter Salootra

C mel nder Slooter sonar A caste of Hindus employed princ pully for carry ng pull of Kahar and dool or la len at e ther end

A Nat we porter who carries loads on his shoulder by a pole

Bangl yl ordar or banghywalla

Goorga Hosp tal seull on Dl ol o Wast erman Bh st c Rater-carrier B ldat Adgger La car Native ex lor or tent p teber Ket al Mayor of a to en or city Gwalla Co berd Moolla Mal omedan prest Peepaw Ila A cask no to A I und Hor e sloe

Balta An extra llowance of pay Art des Soojee Crun lated flour Ci nım A desc pt on of cotton cloth An eartien bas n No ook กกโร Jail A ater tar No le A lurger eardlen I s n Seoral e Frien re goblet Glob h ter e el of eartl enware Glurra Hel Glinde A small car len pet
Bras all dian
Ad capto of cotton cloth phyce D o 001 And lito dio Malilm I fee had of cou try cotton cloth in x one of pres or 1 and nis the root of a kind of grass used for tait as Abus U v

Cilcake

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Store articles

Atta Bhoosa Dhall Ghee Suttrunjee Missa bhoosa

Stock articles

Bulhes Katawahs

Pullie Saffees

Sulleetahs Phowrahs P cl als Purchas Doolies

Dandies Kurries Chicks Dola Peterahs

Jhampans Punl ha Putties Bunghes Sepoy pål Sungahs

Guddela Guddie

Churrch Tawah Numda

Jhools

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Elephant gear

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Sl ooterkhans Howdakhana Nuth Palan

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Thurme Paytee Chureah Chuplan Lumurband

Pyjama Zreudaz Chown

Major W Luckhardt Deputy Assistant Commus sary General Umbalis

Chowdry Jemada Maho t Vissaldar

Geranshta

Сърбани Elephant driver Overseer

Dry stocks of jown plant A leather lag used for drawing water A long piece of cloth of my kind Course so intry curves

A land of gress used for making strings and ropes A gress with thick stalks used for thatching Bread tape noven from cotton thread

Flour of wheat or other grun Chopped strue The gram of various kinds of 'vetches' Clunfied butter Bed carpet Chopped show and leaves of "vetches"

Small beams of tember

Crates for carrying lords on camels A squae pace of rough country canvas from which cattle

are fed Small dusters used by Imeaders Rough country emyns logs or test cases Country hee Camel made or bullock water bags Curtains or screens Litter earned by four bearers

A kind of h li litter carried by two bearers Beams of wood Bumboo cortu as like screeps A leather bucket A square fan box in skeleton wooden cases A hill I tter carried by two bearers

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A covering for elephants or bullocks A ladder Plephont cover A 1 art of the elephant's gear Sword

Latters strapped to the back of the elephants

Camel yard Store room for the howdah and gear Nose rope of bullocks on eamels Camel saddle for load

A square pace of course country canves for feeding cattle Hend tope

Rope or leather reuns

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A fly brush

Pads used for pack bullocks or moles A voolien pall for bitto Gath for currels or ballocks

A pur of loos trousers worn by Nut yes A covering of red cloth for the elephant howdeh

A leather coaca placed under the water bags to protect the A hand of cost worm by Nat ses

> Agent Contractor and overseer

(956)

Tekedar Cunel owner
Surven Camel driver

Itlanamah Certaheste of carriage
Dustee Bill

Dustee

The above are some of the names, but I may mention that in office
work the English names as, for instance, bill, certificate, return &c, are
generally made use of

Captain J T Hobday Executive Commissariat Officer Laudabur Gomashtas

Commussarrat victualling or purchasing agent
In Bombay they are called commussarrat in
spectors

Purveyore Parveyors Headman of kahars Sirder Maie His resistant Kahar A doolte benter Waterman Rhistia Weighman Washerman Pulladar Dhobie Scavenger or sweeper Head baker Mehler Mistrie Khumirgar A l'neader Kasare A butcher

Bangan A cattle seller Chapmasa An office peon

Duffer A man who keeps records and looks after stationery, rules forms, &c Bibler A digger

Moch A cobbler

Khallası A tent-pitcher or one who looks after one, also called a lascar

Jemadai Sub o easeese Benghywalla A banghy bearer Napuawalia A measuror Lohar A blacksmith Balhai A carpenter Nabuah A fariret Authun walla A melentu or mule

hutchinwally A mulemou or muledriver
Oentually Camelman or comel-driver
Bhereevally A shepherd

big

Bilevally Cowherd
Gwill Milman
Puckah A man who looks after a bullock with water

14 Can you suggest any method by which the expenditure on stores, whether imported from abroad or purchased in India, can be reduced?

Colonel R A Moore Act og Com ulssarf Coneral Modras

The expenditure on store is hunted to the sequence of the set vee. But it is defined to estimate neutrolity and constantially a just as shared. Under the present system of home indust, more stores are excessionly go tout than to affect when of home indust, more stores are on the other hand supplies frequently runshort, and has, to be suppliested of he bed justice at a shared rate. It result is more excessionable to only supplies a required on shorter notice, included of the system of the

I aren't Cele el M W WT lon I i r to un Commissare Cen cral Ika lav

As a grade since imparted from a road they can old not disospit the Scentary of Sitte for I day presentably in the cleryest math, a silarly disted in right of questions 10 of the space rotten is not long takes to secretime their right of any piece more left from Fig. Bad cannot I e obtained levelly 1 contract we cheeply to cheeper that the home engly 1 means for mind and their 1 means for mind a region of simply if 2 means in the dearth ending of the situation of simply if 2 means for mind a region of the simply of

(957) No 5839, dated Umbrills, 28th August 1879

From—Colovel M J Brakner, Officialing Deputy Commissary-General, Upper Circle, To—The Secretary, Army Organization Commission

In accordance with the invitation conveyed in the 4th paragraph of your letter No. 139, dated 9th instant, to my address, I beg to salamit the following deservations: offering suggestions tending, as I beheve, to the greater efficiency of the commissional department in the Bengel piceadecy.

- 1. The Bengel communicated to officered on a peace fooleng, and at was only by denounce on the same department in Bonday and Marks that it was able to send crough officers into the feld doning the late company, and officers of both presidences are more employed in Bergel. Not, long ago a Madna officer, not even in the commissional department, we un charge of the commission good office in Calcular Berdes like, achievy officers will in observe of some of our excentives Daring the company these officers had to occupy the places pro few of the paraments officers with downstructure of the commission of company.
- 2. Were the commissants offices of the three prendences to be embedded into one corps, the department generally in India would be a stronger one, and more capable than at prevent of meeting sudden demands in any quarter of the empire.
- 3 This need not necessarily imply indeveloping of porting as a the case in the accounts branch, where offices are employed in any part of back without reference to presenting. The I do not than becoming or solvestile. Offices normy within the inside of their own personner two which to acquire acceptance and its described that all both knowledge as far at possible of their own personner bound to acquire alternative and the described that all both knowledge is far at possible of their own personner bound to acquire alternative and the described which is all both with the provided of the country of
- 4 But I consider that one and the cano system in every particular should be adopted by all three presentances in the principle of the interchangeably parts of a machine which need never remain out of genr so long as its affection components part can be quickly replaced. So this kind majored on the same service, officers and subordantes would find no difficulty in a colong together.
- 5 The great expense to which officers especially married ones, are put by long moves from one presidency to mether, as is, I know, expensed in the accounts branch, is, I consider, a good reason against the adoption of such as system.
- 6 The warrant officers in the Bengal commissionat chould be doubled at once So great a country was there, this during the company in Southern Afghanistan in officer had to accompany because which invised from Mithiushot to Kandalasr under General lane, c.s., absolutely unstanded by a single warrant office, sergeant or even elect to west him in his datas.
- 7 Throughout the campaign the want of these men and of transct sergerats was so great, that the commissional offices of the department has to delaborately mental vorte, and thus were unable to furnish returns, balances of stores, he, which were being urgently called for
- 8 But I am no adjoint for the general employment of waitant officers in independent charges. By a stunge want of appreciation of the amportance of their position, these min whom charge or no couples got no more yety than when in charge of a gooden a under the ope of an officer.
- 9 Pag 9: identification —A seggent to pract to any samp the commensative set in a still fillion made of Re 19 a month but he has out of it to pry for all his bernet, sevents blustes, except, publications, and buying out of burstlesh he has to prove for a cold and for his weaking. So that, as I have necetained by frequent enquiry, a consussantal engened on Re 20 a month is not seem burstle for the extra expresse he is put to This pleases ham in the position of a needy may show any sound to be in the position of a needy may show the most confidence of the structure of the intruse of the structure.
- 10 In the same way our agests one undergand. A staken generality who has the purchess of many thousand negets worthed egan in a month downset Re 50 a nevert, and or never a man which he frequently expends in the fact to keep has accounts. Mean well have soundows, and it they early make gans howeverly, tigor yes dreven to it in some other way. Goldense goundaths are by an antere solder rule of the commissionant not diborate a clock to reason them to keep their books, and consequently have to keep one at their own expense. As these meet have notified any purchases not of shach to make a posit, and as there pay does not exceed its 50, except in the case of one of two of our depth goldens, they to two drives a for extrematics. In my opinion the sewered of the department requires running and that could be done by uncereaning the pay of the subordinates to such a degree as to place films above the temperature they are persiandly habite.
- II As regards the position of the commissioned officers of the department, referred to in question 13, prizer F, it may be considered in monorhous one and I think they have reven to feld instrustion! and into it the way they me generally treated at the end of field operations by general officers, who do not seem as a rule, to consider it yout of them duty to bring to motive their stravers and time they fail to obtain those reservits often thereby bestored on other members of the staff. The effect of that cannot be offerwise their music decourages.
- 12 The commissional department is one which, from its great responsibilities and importance to the efficacy of an army, whether in quarters or in 41 of cld, ought to be kept on a correspondingly lingly footing and I consider it would greatly tend to this were the head of this department graded as improgeneral, as in I believe the case in the British arms
- 18 Simplefication of accounts in time of peace and nor —I will offen no remarks on this head, as I believe a commission composed of an officer of expensions from each presidency as charily to macetagethe the subject, which is a very important one, as emphasizing an account's tends to their being more quickly readered, and to reduces the end of amounts.

J.

TRANSPORT

1. Please state your opinion of the present system of mansport of carriage obtaining in India

L sutemant-General C T Cham berlam, csi, Commands g Gudb Division. I think the system of service in time of peace very bubbrees and very objectionable, but so far as the wants of the service are concerned, it is economical and sufficiently, for, we are het, there is no difficulty in collecting my revenable quantity of energies of soits, and the State means no usek whicheve

meurs no usis whitever

I think that where earls, or camels, or pomes are sezzed in common movements of tmops, some compensation should be given in addition to the ordinary rates of him which are paid by traders

the ordinary rates of him which are paid by traders'
Nour adaps if a hullook selector of dies, or the eart breaks down,
they me exchanged, and there the transaction ends, levving the owner to
find his very back to where he was sensed, or to go where he likes, but
were momented for his neveral loss

Launtenant-General W T Hughes GB Commanding Subind Division I understand the present system to be that, whenever transports reported, the commissional department, (stable by the nord subscribe) parchases or have such exist and it unsport exist on a district will apply, and hands them over to the head of the commission department and the two parts to be mobilized, to most the wants of regiments and department meats. The objections to this explain are the delay that most examined reasoning transport, the commons cost, the oppression to which owner resulpcted, out the desertions of their system of the delay of the staff to and follower which results

Loutepast General J. Forbes, Communiting Minor Division Ineffective animals kept till too old and unfit for campaigning purposes, and camel supply very limited

Majer-General A W Mass tire on, Commanding Hyderabid Subsidiary Force

That oblamable in the Hyderabad territories is adequate for the requirements of troops in cantenment and for ordinary relief, and susceptible of increase, up to limit of local issources, in the event of extraordinary requirements

Major General B O Bright, Commanding Merrut Driss on The present system I consider answers very well in operations in the plane

Major General H R. Browns, Communication Sanger District. There are two classes, railway and zord
Thosport by 101 is exceedingly aell organized and effective
Tao
Inne are single, and the rolling stock. limited, yet they do very good
service
I do not see that much could be effected in the may of

Improvement

The road transport, which consists of cirts, elephants, and comes
and consountly peak-bullooks, appears as well suited to the country and
the nature of the road over which troops move as any other that could

be devised

The system of hiring in time of peace might be modified

There seems no good reason why corps should not indent upon and settle with the district evil officers direct, instead of through the medium of the commissional department

"Jajar Ceneral J W Solne lor, on C non ding Northern Diss on Don boy hri y There we stor descriptions of crimings commonly used in this presidency, rize, critis will one or two pairs of bulleting, recenting to the exvisues we thereway of methods one demails. Where shie cleans criming as munitamed, makes and a few she fam storal label board correge as munitamed, makes and a few she fam that will also be found to Correge as sometimes obtained on the line through the residence of the local and without methods. The commissional collects generally farmands utulous difficulty. The commissional officers generally and through their can agents in providing criming that may be indented for

The present system unswers very well. There is abundance of curringe in India, and, when proper arrangements are made in good time, no difficulty is experienced in collecting it.

I am not mane that any system exists certainly not in the Madrispre idency. A commanding officer of a regiment must preserve it the best way he can und if he fails, he must apply to the earl authorities Public carriage is obtained from the commissaried only.

Late experience has proved beyond a doubt that the present system is very defective, and the necessita for its complete econg mization

Ms opinion of the present system of transport is that it is a very defective one

Colonel J Macdonald, Secretary to the Government of Bumbay, Military Department.

The present system is good as for as it goes. It consists in this presidency of keeping up a small establishment of Government carriage consisting of elephants, camels, mules, bullocks, and carts and hiring any additional animals or carts that may be required. Its chief recommendation is ris elements as the animals and earls are taken charge of by the commissariat, requiring no special transport corps to take charge of the curage

Colonel A. H. Murray, Deputy Adj tant General, Royal Artillery u India

At present there is in reality no system whatever. Such as it is, I think the objections are absence of all organizat on

that the department which supplies the transport is the greatest consumer itself for enringe of its supplies,

lability of Natives to desert on necount of being very often compulsortly engaged

Laratenant-Calonel & G T Hogg Dep tv Q rerice-Master General, Bombay Arn y

The present system of transport, as I understand it, is that in time of peace movements of troops and carriage of stores when not managed by rail and by sea are curred out by utilizing field column carriage and hired transport. For retire service in India the same system prevals, with this exception that the proportion of bared carriage is necessarily much increased

I consider the system good, and that nothing very different could be introduced without mourning great expense

Lente ant Colouel H. A. Lettle Officet g. Departy Assestant Quarter-Master Geoveral.

I do not consider that any other system than that of hiring carriage can be economically or advantageously instituted in India. But the aystem as it now exists might be improved upon by encominging the extensive breeding of mules under Government supervision and aid

Major A. A. A. Killach Deputy Assistant General: Master General

I consider that India possesses many peculiar advantages in the way of mansport, but that many of them are thrown away for nent of proper organization

In time of peace, carriege is cut down to the minimum, and, as far as any attempt to organize it goes, or any experience in the leading and management of animals gained by the theops, it might nearly as well be non existent.

To begin with the row material—

The transport animals available in India are as follows -

Elephants Donkeys Camela Buffaloes Horses Bullocks Sheep and goats.

To take them in detail, and specify their several advantages and disadvantages— Elephanta—Haphants ur. suvokuhluk in varryng brate; bade, far ussistang in urturating tarriages from mud or heavy sand, and in some few instances for divught

They are the only animals that can be used where there are no roads and the ground wet and swampy, or among high grass and sangle
They require abundance of forage and water, and are not only enormously expensive to feed, but

thrue badly in countries where these necessaries are not abundant Concel — On level or eligibly undestrang ground, especially on day soils, camels up penhaps the most useful unusels for temperer purposes in India As as well known, they will thrive on trees and plants hashen no other unusual will est, and they are very patent of these

They have moreover, the advantage of requiring very few attendants, one man being sufficient to

look after a string of fifteen or more

On the other hand, camels are very susceptible to cold and exposure to weather, and appear to have very delicate constitutions. They are quite out of place on very rough, billy, or middy roads; and when they ful to obtain a proper supply of the trees on which they browse, they become discussed, and die in large numbers

The enormous mortality among the cumels during the Inte Afghan campaign is well known, and although much of it was doubtless due to neglect, it is certain that the camels from the plans of India

attengin much of it was condities one to megical, as secretar near the camers from the plants of Licias were missived to the elimite, and that it was frequently suppossible to obtain proper food for them. The Kucha curieds, belonging to matrice of Algebraistan, were much landser and more useful animals, and they were accustomed to travel manage examenses form stone for a rough country—nc.,

in droves, instead of in strings. Camels need only be considered as pack animals.

**Horses are but hille used for transport except as pack, animals, the undersized animals which alone would be usually writable being too light to be profitably employed for draught purposes with the berry and clumsy vehicles procurable in India

The only exception to this is in the case of ella points and I think that this style of carriage has not been ublined as much as a might have been. Usually gallouins or points are used as just anumals, and when properly cared for and provided with proper pack saddles, they are most

Mules -The remarks on horses, so far as they are used for transport purposes only, apply equally to mules, but the latter possess the great advantages of thriving on course food and rarely requiring to be shot

Bonleys -Donkeys carry such small loads, and more so slowly, that they cannot be considered of very much use, but they asset locally in bringing in firewood, currying water, &c They will pick up a living where even mules will starte.

Bi figloss - Buffaloes are used both as puck naumals and also for draught. For the former purps of they are very valiable, as they curry eccessingly heavy weights, and owing to their compret slape and check legs, it is create to adjust valuard leads such as long urm burs, beims, fee, on them, this on cruels. In often draught then are not square to well saided, as ulthough strong enough, they are slow Billocts -Bullocks brie, next to camels, thears formed the largest portion of Indian trinsport.

They are generally used for drought, but much of their power is wasted by the employment of the

cumbrous antiquated Native earls or hackenes, which have remained unimproved for generations These vehicles combine almost every defect which a carriage could possess, their sole recommend-

ations being apparently that they are generally to be procured in the country, and that they are sometames strongly and substantially built

Siego est gones —I um not ware that sheep and goats have ever been used as pack-unuals by troops in India, but I mention them here because I have seen them very largely employed for the curringe of grain, salt, herax, &c, in Thibet, and in the hill provinces of Garhwel and Auman There they are most useful, enrying leads of from 20 to 40 pounds over the narrowest and roughest paths and requiring but few men to look after them

I am convenced that in operations in the halls, where these animals are habitually employed they might with great advantage be utilized for the transport of flour, &c , while the sheep might also be

caten by the troops

cannot be the two points of the above transport anumels such the exception of elephants, which are the property of Government) we march target as required. There are no regularly animated directs, but the new me charge of the annuels are frequently with and uncount, with lattle more untolled than the own beasts. The small proportion of transport kept up is under no regular organization, and is indeed but seldom used for military purposes. When it is, the troops who have to move (having but no pretice or custostom) we frequently quite general of even the mellod of leading numbs Levi are put on anyhor, mostly to fall of after going a few press, and cause endless trouble and delay The driven having no more knowledge than the trough, and nother to regards Britain soldiers) un-derstand up the other, terrible endiesson ensure, and in fact the column gives more the size of the flight of a disorganized rabble with their goods and chattels than the march of an army with its

In short, with all the facilities within our reach, I consider that we have no system of trunsport

Cupium M J Aing Hurman, Repuly A intant Quarter Muster General

The present system, if caused out properly, as it is intended that it should be is well suited for slow movements in perce time in the plans of India, but as it really is carried out, it becomes it all times, and more especially in times of pressure, a means of greatly oppressing the

on ners of caltle and carts Instances occur yearly A commissaint officer is required to provide, say, 200 carts. He makes over the order to one of the regular contractors that are scattered about all over India, and agrees that the carts are to be in by a certain date. At the same time he writes to the officer in end charge of the district requesting him to assist the contractor, and this assistance is given at once The contractor then goes off to certain parts of the district, the resources of which are well known to him, and gives was gars as executed parts or take district, plan resoluters or mister are will start at 10 mHz, and by the date in the vest of very are respected promoted by the Germanneth, and by the date is the days in certain to have a these 500 evets, out of which ho selects 200, liking of very dates in the resolution of the propher and the resolution of the propher and the service of the propher and the service of the propher and the service of the propher and the service of the propher and the service of the service of the service of the propher and the service of

This is all gross oppression, and the system is well known and condemned by many civil effects

who have pud attention to at

If the commissariat officer requires more carriage than he has at hand, the civil effect alone should be called on to provide the surplus

I rolenant Colonel B Blandell, Ond Houses

I don't think that at present there is any organized system of carrange There is a collection of elephants, camels, males, and bullooks at different stations, but no regular system I think the transport in India wants thorough reorganization

I r tr tot Colonel R R Cl fort erone I fero I (ar O r u s Q) Ire

If camels were properly fed, they would answer

Leries at Cole et Lord R D Kerr, Command og 10th Hussans A large question

I believe that the trunsport system is expable of much improvement, mender that the requestic amount of currege may be at all times and the for extrema the states of the object, much at, as I under that the contract of the contract of the object, much at, as I under that it, who no turner at a substitution, method of living at communa a sufficiency of trunsport under trunch officers, &c., without the rest of tarustaning the same Others have finled in solving this difficulty, but on this come alone the most layish expenditure has always been conver

by the call for economy If the district in t such the troops are statemed full to produce the quantity of currage required by troops talling the field the belance neces my to complete their equipment should be kept as public currage by the commercial department.

Regimental transport, with superintmerity men and horses, most akant guns U of by my regiment at autumn manageries with mark ed and not sould leneled

I can ther that a statem of entrage should be adopted that would and or for both informal as utill as external warfare, the prevent system of depending my thy on canals being changed, as the late campagn has shown it to be utterly unsuited for warfare beyond the frontier, where earnel grazing is seldom to be found. Pony and mule carriage without doubt is by far the most efficient for all countries and for all climates

Mayor J W Chaples 8th Hus

I consider the present system of transport or currage obtuning in India works fairly well in the plains I have no experience to be able to judge of it on the frontier

Major E A. Wood 10th Hus

I am not sufficiently well required with the cost or system to give an opinion but I fancy that the cost to Government is unnecessarily great for the work that it commands

Capta a J & 6 Mackenso Sth

My own experience of transport in India is that on the whole, it is satisfactory but would be very much improved by having a fixed mule establishment added to it, and kept at all the important stations in

Colonel J A Ruddell I Zoth Regiment

I am of opinion that the transport should be a separate department,

Les terant-Colonel T. Rowle d Command up 1 of a Fundages

under experienced and able officers, who would be entirely respon able for its efficiency The present system I consider to be objectionable and throws work

Loutement-Colonel M MacGre ger 1 18th (The Royal Irush)

on commissioned officers which they cannot properly supervise and carry out, more especially on scruice in the field I think it well suited to the resources and nature of the country

Locatement Colonel A Temple man Communication 1 21st For later

As far as I have experience in the ordinary regimental telefis the present system is satisfactory I have made but one march with troops in India that was a 80days march from Secundersdad to Pulputin in 1868. The transport

Lontonent Colouel & F Walker 1 12th Feet

į

an angements meluding commissariat elephants and camels and hired country carts answered well. The troops learnt much of what is most useful to soldiers—quickly getting under arms in the dark marching considerable distances, ripidly pitching and striking camps, &c., &c. I do not think the present system is satisfactory especially if it should become necessary to move a very large force but at the same

Loutement Colonel J S Hand Command ng 44th Bag ment Legitenant-Colonol J W Hughes time I am not prepared to offer any opinion or suggestion that would tend to improve it It is bad being incapible of ready expansion, and costly, without an equivalent in efficiency

Laoutenant Colonel C E Knowles Commandu g 67th Regu

54th Berment

I think that considering the great variety of circumstances to be met the system of carriage in India has worked more successfully than in any other country Experience confined to the late Afghan campaign. Bullocks and carts also the camele furnished by contractors were, as a rule bad. The animals weak generally the result of insufficient food, but the

L enternat-Colonel Parker 22nd Regulanders

country frequently furnished very scanty grazing for cattle I am not in favor of the present system

Mayor P Stephen 4th Battalion Rife Br gado

It is finity in the extreme At present all transport is supplied through the commissariat department. On the outbreak of war the commissarrat department is strained to the utmost to obtain stores, &c , for the troops In addition to to of obtaining and collect up transport in addition to this, they have now the extra strain

Major H P Pearson 19th Foot

Broadly speaking the curringe employed in India consists of camels and backeries and these are bired by Government as occasion demands The State possesses no carrage in India, except elephants and a few mules her, and there, and cannot, strictly speaking, he said to have a system of transport

Nevertheless I am not at all disposed to advocate a change in the method which has been so long followed for supplying the troops in India with carriage and which in that country has always worled and the correge and which in the county and always worked well Carringe for peace requirements has intherto been forthcoming in my quantity, and good of its kind. I cannot suggest any plan at once so efficient and so economical

Major J H Campbell 33rd Reg ment

It is of course too cumbersome but until the country is covered by a network of good roads, I do not see it can be improved on

Major Dyson Laure 34th Rep.

Carriage vuries very much in the different parts of India. That in use by the Natives usually seems the most suitable to the circum stances of that particular part Next to the railway come the elephants then camels Cart trans-

port in India is very slow, and occupies great length of road

Appendix IV.]

(962)

Major W H. J. Carks, Mad Highlanders, I um of opmon that the present system of trusport asserts perfectly in peace time, but is not surtable to a variore. As has been proved in the piece are campaign, camels are not fit for nor in mountainous countries, if at all hard nocked, and there is always great difficulty in orthor fixed for them.

ofting food for them

The only currige in my opinion, that should be used in time of
war is made curringe. The longuage &e, of a force is curred much
quicket, it is easier prof ed, the number on go longer distances, and

Major G S White Soud High her less

quicket, it is easiet prefect, it e numeris can go longer uscances, and strad greater fritigue. The difficulty in feeding them is much less. The system of imageners to have worked fruit, well in

Colonel C R O Evans Command , R & Mecret D vasso a

India
As good as the transport of the country generally admits of, com-

L entenant Colonel H Stronger Command g Hoyal Artiflety, Thaye myo As good as the transport of the country generally namins of, combased with its comeany.

I have laid little expenses of this. The bulled train on the grand truth, read between Lahore and Pestruar and Lahore and Perez-

pere and the dil gharry system as fur as I saw of it, inswered well in ordinary times. The camels that carried the baggage of the latter

I method with hemg changed aversel times below in Total Attock, and Emerators, cited will that was required for them At Basydany, Berhalt Barma, the commission of the countries of the Attock and the countries of the countries o

I colemant Colonel L Extenses, Perul Artifley insign meet room the restreets of forms per country to process over being very thinly, they food, no framesport among the form Erstain Burnar.

I thank it good, no far as it goes, but the evil witherity or ght to have the poner to press carriage. He would be very ritely necessary to do so, but the Mixtesof the country until of whally them is reved the uncountry of the wholl them to reved the uncountry of the restriction.

Major Birlie Hobart B.S. M h tarp 'est burn to His Ornes the Governor of Vadras

monetable column ti mapor to a large scale.

I have no opinions worth stating on the subject of army transport, and only the expenses of a regimental officer, but I doubt whether the ordinary transport of the country can be reduced to a Disease postern, those possibly it may be more a setemetrally organized. The intel transport has unserved the purposes of the British stray to the Leaf so long, that I do not thuis these say not the tay and mapore at ceast if the conditions of the country and habets of the people resident in possible.

Major II C Lowes Communing List I mak Artisl my As far as I could seem the late Afglan expedition, there had been no nation against disconsistent which the transport of monet in consequency. Until quit, the end of the war the transport (fam) has colonially as by some forerings and smill country entir. I have not served in India anywhere in love, to my lowed procedured a place. It is most desirable, I thinkly, that it is most desirable, I thinkly, that it is most desirable, and the country of the cou

No. r F T II me Condg O-CI Jal Home brokker I consider the present system well suited to the country

Malif W. W. Memberl Commond g I A Poyal Horse Arts The pre-ent system of transport or carriego answers well for ordibart marching and movements in peace time

Vejo V M Hetelege Con me I g P Int Penal tot tiere

I should than it is the best in the world, and only requires in effect entisted of transport non commissioned officers under the commission

**hajor the Houlle A Stewart C wa long 1 C Popel Horse Artillers

The objections I should offer to at arc-

The conjections I a fould ofter to it are—

In — that the department which supplies the transport is itself the gratest consumer of transport for the currage of its supplies

2rd — that I believe a very large amount of the carrage is obtained.

under pressure, if not compulsion, and therefore hal le to desert.

If at he correct to call it a system, it is one ulterly unworthy of the fine army of India.

The time of India and I folia in causing critic rands, is like is part and in the part of the causing in the causing of the variety of the variety of the variety is looked to make the time, in that if this vertical correspond it is also table. I am who do given that, with these recurse, it would be a marked manage to go not first, which they are the causing the ca

I have not had any expensive of Indian transport in the phase, but from others aron during the nearly company, I do not think any spatem, p openly so called, can be not to exist

Capin n G C Bayly 13 Stl Royal Artillery

The present system uppears to unswer fairly well in time of peace, and I have no reason to doubt its effective for internal war regards external warfare, it seems to me to have some defects, which mould probably be more or less apparent an internal warfare also

There being no framework of a trusport corps, the collection of any great amount of transport is slower than it need be

It is probably more expensive than absolutely necessary

There is a want of efficiency, owing to there being no system laid don't ready for immediate use

And het, but not least, there appears to be a want of proper super vision leading (until it is issuedied) to unnecessary less of transport anımak

Lientenant F C Wice R.L. No 4 (Hazare) Mountain Battery Pumpab Fron er Ferec.

The only real experience that I have had on the subject has been in the late Afgiran campaign. In the Janaka expedition the base of operations was so near as to call for no particular exertions on the part of the transport

During this late compagn I consider that the present system of transport was not in every way a success, owing duely to wand of supervision in a department where of it there say is provision as necessary. The commissions, abresdy overland with well, had not the time to give this supervision as necessary. The commissions, abresdy overland with well, had not the time to give this supervision, and the futurepost officers or mean under them to assist them in their immediate by the said of the said to no commissioned efficiers or mean under them to assist them in their immediate to a said the first officer to peak to the grant of the said to the three conditions of the said to the time of the said to the time of the said to the time of the said to the said portion of the bunurds class men, who from long expansive how infumitely how the mule should be fiden, and how it should be fied. The Government in the however—at kest those impressed for this campaign—were put into the hands of down country men, with but little knowledge of a mule, and with alsolutely no interest in whether the animals in his charge hied or not

with a seniordy no interest as with the the animas in an energe acces of the currence as a transport runnal which working on good roads, and proportly watered and feel. The continuous difficulty however of feeding them nevely participate the whole transport. But I thank, this might have been obwrited to a great criter by Generalization than the proport of the sum continuous proports and the continuous proports are discovered the necessary load for them, esting the pure of the sum continuous for the continuous proports are divined and the continuous account of the more large continuous account of the large con departmental, and general and give every promise of improvement under the close supervision to which it now became subjected. It became its the interest of each regiment, battery, and depart-

and to restruct the efficiency of ris own hausport, so for as possible

In the last for weeks of the employe holick, circle were used, with great select to the rest of the
nament, but ownge to the levisions of the ready, the number of bulleds required to croth certs nece
out of all proportion to the lead drawn, and hence thes become a most expensive form of trumport

Colonel O Wilkamon 2nd Ben gal Ca ales

I believe the transport system as botherto obtained in India would have mewored perfectly so long as operations were confined to Kindustan, but not beyond the frontier, as camels cannot stand the climate

Colonel High Go gl Com-mandant 12th Bengul Casalra

It has been hither to considered equal to all demands made upon it The existing plan of a certain amount of commissariat carriage,

Captain M. G. Gorard. 2nd Rog ment Control fail a Horse.

supplemented by the of local transport, though good in nameple, full to much and tury requirements from the unsuitable nature of carrages in general nee, and in a minor degree from madequate supervision in the field

Trunsport should be regul ded by the following considerations -

ly -first its mobility is to the full as important as its actual carrying power-a fact absolutely ignored by our present system

201 - That, consistently with above, "wheeled" is always preferable to 'pack' carriage, one ummal doing the work of four

did -Thri, as any traveller or shakuee I nows, a light equipment always up when a rated is far more conductse to comfort (se, health) thus a more complete and slower one, we should so modify out cump equipage as to facilitate quiel transport

And listly, Government should remember that the mirednetion of compressed provisions in the most

important point of all in the question of transport, as it would reduce commissatistical range by T_{θ} per cent With regard to first the underly advantages of a train that can keep up with infinity are too charons to require further notice, but whilst our communicant it calculate the records the different I mids of carriage can move, they naturally forget to add in the relative time to their estimates instance, though 100 pomes cost the sime, and triusport half the weights that 100 camels do, still as they can average 15 or 18 maks to the latter's 10, ten days' rations on pomes are for military purposes equivalent to 15 or 18 on camels. Camels and drug ht bulled a should be absolutely condemned, any replaced by mules, joines and values

With ngird to second rule, as one draught mile does the nerl of four pack, as he co The force of the service of the serv A few breil downs are nothing, but my mable delay fatal

The putterns of the Government bulleck wagons ne see seem to have been seland it ought to have been left to fate to find some minial out bere that would f should be elected not only with regard to the powers of the more surrible drap but also, what is invariably overlooked, of a spitable trick betwint wheels,

(964)

country rords. Nor should we confine our elees to one fixed pattern. Whilst mules or valuos could be most advantageously used with Maile o earls of mine or ten out and has cancel loads of brigging, we could find employment for the thousands of charm hitle country tritios, so easily precurrelle in a modified pattern of elks that would early a couple of louds. Usen the common barnecks a contract for modified pattern of elks that would early a couple of louds. Usen the common barnecks a contract for modified patterns. case countries encounty what comes entirely, that is not one water propince to countries in most throu compensately for by the first longer methods that can be made. Be does makes and attators, as feat displants for exceptional purposes should only be lept up.
The party curruppe of Nature entil by most exceeding, but the number of syres, with them only partitled by considerations of forage. As stated elevation, an indirect reduction is, however,

praeticable

Country crits, camels, and bungare pael believes should only be used for reserie stores, and worked by contract. The lact of these, though slow, are very reliable, require no help, and can defend themselves, so should be largely employed for internal warfare

Bugadier-General C I Godf v Com manding I m jab I front er

The system of obtaining causage in India has latherte proied efficient and well adopted to the country.

The question is did the system break down daring the late was from

any inherent fault or weakness, or from a change in the condition of the country and a dimunition in the supply of country? Undoubtelly, since the extension of railways, the number of country, earls, and ballocks must bure diminished, and before deciding a hether it is parable to continue the present system, it is necessary to necessarin the amount of curringe procurible throughout the country. District officers would supply this information in a very short time, if it has not already been supplied

Colonel I Blast v.c. Commun 1 me let Boullay Lancers

Criringe is at all times procurable through the politicals independent much upon the country what hand of criringe is obtainable. The system is not a good one, for, if a large force is required to be moved, you are at the merey of Native authorities

To keep up entrage is at all times expensive. The contract system

was found to maner well in the famine districts, where light caris were used Mule and camel carriage are by far the best Light Maltese erris, I thinh, would be found very useful. One mule takes them along early, and the hatness is simple and strong, no collar is need

L entens it Colonel C LaTonel e Coust my dant I on a Hores.

The principal objections to the present system of transport and that there is a nant of military organization and that on the outbreak of hostilities the camp tollowers composing the transpost transtorm a large mass of helpless men, who, from the absence of habits of described place all considerably to the difficulties and emburgasment of truspert pairs was consistering to the canonicate and chair message on the order of the confidence in the foreign case of public messages on the policy of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of capacitative, profiles for more established profiles for more established profiles for the more established profiles for the confidence of capacitative, profiles for more established profiles for the confidence of capacitative, profiles for more established prof for an uni resement of the existing state of affairs

Tir teini t Colonel J. H. P. Intolia m. Constanting and Valtal r m d Hor i

I think the system of transport as non obtaining in this country The results of the language speed as the men kelonging to them are stringe to the wol the latter are subknown to the regiments with which they are employed, and utterly devoid of my dissiplines and for growth of the language spot in by the men of that regiment Moreover, the commanding officers of recuments having hittle or nothing to do with the feeding and care of the animals, they are not o well looked after or ewed for is they would be if they were permanently mude over to name to

Maj - 1 P Ial e- 9th the gut

It is madequate to meet the contingeness of trans frontier wars on a large weak. The extent of our rements is imperfectly inour, and per theres ment can India, the runnal carrier may be explied to propertionably decrease, unless great unducements are hald out to

there is if a caust I m litery organization in our system

The rescal pot I have not given much attention to, and that I man it prepared to give an openion, further than that I consiler the product at the second section is seen of the given many ways, being colly, and thus without organization, and use k paste to recet any sudden can agency

or from cold and wet, and so become necless, and the At all tames, and especially during a campaign, of from soin that legislate so consider spoor food is given, and that large generals are mergy officers should I o detailed to see that proper food is given, and that large generals are mergy respect duly cared for And if on fareign so were elothing of any kind should be a necessity, it should be provided without delay by the Government The possibility of such need can always be foreseen, and should in all cases be provided for

Color el E Dan le 1ge Command mg 40tl Native Infin try

As the present system proved to be uncomplete in the recent cam-page, maximuch as its working fuled to provide suitable carriage for mountain wurfare, it must be considered a failure

Color el G W Truste, 36th Nature Infantry

I consider that the system of transport or carriage as now obtaining in India very faulty. It is entirely without originization of any i ind An insufficient amount of currage of good quality is maintained in peace time On the outbred of a war a transport department is hashly formed, composed of officers who volunteer from the regiments not retively employed. These officers, though mostly willing and hardworking, having had no previous experience of the system, and bring in very few instruces acquainted with the Linguige colloquially, numbers of annuals pensh before the system gets into working order

L cutoma t-Colonel II Worsley, Community 7th Native Infantry

In peace satisfactory enough, as time is no object and transport is always obtainable, but in war results in delay, great confusion, and comparative mefficiency

L cutemat-Color of R. J. Walker Companyding 17th hattee Is to try Locatement Colonal R G Ragara, I think it is fauly good. Anything better would cost more money

20th Pumph Native Infantry L'enterant-Celasel F B Nor un Connoiding Lith Panjub

Native Infantey

Faulty to a degree I reported fally on the subject at Gandamul to the General Officer Communding 1st Drusson, Peshawar Valley Field Force, but legret that the copy of my report has been lost. The original is probably in Colonel MacGregor's office

Laguienant-Colonel H G Tucker filst Nat vo Lifeatry

I think that it possesses the germ of an efficient system, but it fails in not being capable of sufficiently rupid expansion and from nant of proper supernatendence, and I confess that I cannot see how these earls are to be remoded, except at great expense

Indian transport consists of four different modes of carriage lst -Hinng or purchasing pack animals, such as camels, bullocks, mules, pomes, cicphants, &c 2ndly —Ballock carts (wheeled currage)

Smily - Railway 4thly - Cooles

With reference to the first of these wz , prek-mimils, it is a difficall and slow process to collect a subcient number of mimals to more

they also carry very hight louds, us Camela 4 maunds Bullocks

Males and pones Its—Elliphints can carry eight to tun menuels just the expense of theming them is common s, and they are bride at all times to breakdown for instruce, going lens, incoling with seedents on the road and partonalisty from write of a proper amount of feed and being coveroided, so that the currigo should not be entirely depended upon. Of course, when reads cannot be made, or if any currenge is

amount not be districtly dependent space. Of counts, when 's testic annies, to show, a it into chirage and proposed main alloy density, pack, animaris and content will be the only mode of carriage at these packs of the short of the state of the state of the state of the rod, as they carry greater leads A fam bulled, early, for another, as that it is maintained of the rod, as they carry greater leads A fam bulled, early, for another, as should be obtained from 10 to 20 metrods, and the cart's new periods to the pack-animals, to they need not so include the bulled as margely losing tale not not for the certain vice end of early may make the bulled as margely losing tale not not for the certain vice end of early may be the end of early may the hallow a margely losing tale not the form of the certain vice end of early may be the end of early may be in the shallow a margely losing tale not the form of the certain vice end of early may be a supported to the size of the state of the size of the state of the size of th almost mericulable, as with pack animals, which have to be uniaden at the end of each day's march, the constant loading and unloading destroys an enormous quantity of the stores. Boxes break manet, the constitute tousing was instancing accessive an enteromor question of the storce. Does notes, infer constantly being thereon on the ground had constantly being thereon on the ground, makes the transper observation and the ground, makes the transper observation and the strength of the collective whole of the storce and pack them templethe, they are not table to be staked or dogs and other animals tear open the begained doctory the constant. The cannot not not had not been a performed to the staked or dogs and other animals tear open the begained doctory the constants. The cannot not not had not been a performed to the staked of t

Stelly —The railway tr'insport is, though at the commencement by far the most expensive mode of transport, much the best, and in the long ran would most probably he found not so very much more expensive than the other modes of enringe. By this means of transport you are certain of three things. First, you stores move in quel time, and you can tell pretty securately when your supplies will arrive which you cannot do with any exactness with either of the other modes of transport will arrive when you cannot so with any examines was cause at one of our money or or agent secondly, the stores are well past do a runs and protected from run, &c, also they are not so lakily to be stolen on the nod. Thirdly, there is less danger of a breatdown.

Itikly—Coole trumport is simply adapted for full wasfure when no other carriage is procentiale.

It is not good or sound. It answers for earrying out ordinary rehels,

Vayor S r B. P Bro : I cal Bart., May v A C W Crookshy il. Com

manding 32n l Pin ours

and for supplying currege for ordinary purposes in time of peace

The only systems I know of are-lat—The rescable colors, which is treated of in question 3 2st—Carrage for retel, which is divided into public and private— the former being supplied by the commissional from public carrage when available, the letter generally supplied by the civil authorities. This carriage remains in regiment it charge until releved or discharged. For peace purposes I don't think a simpler or better system could be devised

country roads. Nor should we confine ourselves to one fixed pattern. Whilst inules or yubos could commy come are some a commercement on one many power in the most extraordine makes by those the most extraordine control with the lines exist of muse or ten extra and the cumb loads of brigging, we could find employment for the those ands of extra hitle country tutions so easily present of the country tution of tution of the country tution of the country tution of the country tution of the country tution of the country tution of the country tution of the country tution of the country tution of the cou then compensated for by the fur longer muches that can be made Besides muke and tottoos, a

few elephants for exceptional purposes should only be lept up
The pony carriage of Native exactly is most excellent, but the number of syets with them only nustried by considerations of forage As stated elsewhere, an andreet reduction is, however,

practicable

Country cuts, camels, and bunyur pael bullocks should only be used for asserts store, and worked by contract. The last of these though show, are very reliable, require no help and can defend themselves, so should be largely employed for internal warfine

Brigation General C J Goday The system of obtaining cravings in India has hitherto proved from and large Punjala Frontier efficient and well adopted to the country

The question is, did the system break down during the late war from any inherent fruit or neikness, or from a change in the condition of the country and a dummution in the supply of currige? Undoubtedly, since the extension of railways, the number of camels, carts, and billooks must have dimmished, and before deviding whether it is possible to containse the present system, it is necessary to assert in the unional of carriage processible throughout the country. District officers would supply this information in a very short time, if it has not already been supplied

Colonel I Blar vo. Command mg 1st Bomley Lancers

Curage is at all times precurable through the politicals It depends much upon the country what kind of curringo is obtainable. The system is not a good one for, if a luge force is required to be moved, you are at the mercy of Native a thorities

To keep up earnings as all times expensive. The contruct system was found to measer well in the frames distincts, where light error was distinct and the land cannot causing our by for the best Light M since cards, I than I, weall be found any until 1000 mile take them slong earling, and the harmens is simple and stong, no collist as meed

L outenant Colouri C LaTouci e, Commandant Poons Horse

The principal objections to the present system of transport are that there is a want of military organization and that on the outbreak of hostilities the emp followers composing the transport train form large mass of belpless men who, from the absence of halits of disci pline add considerably to the difficulties and embarassment of transport officers. In the more, large sums of public mone, are now spent, which go to fill the poel ets of rich contractors, which, if applied in a more methodical manner, would us my opinion, at an actual reduction of expenditure, produce for more satisfactory results. Further ou, in reply to questions Nos 7 and 8, I shall explain in detail my proport

Last tenn t Colonel J H P Malcol so , Communifies and dull Mosst

for an improvement of the existing state of affairs I think the system of transport as now obtaining in this country In the three systems of crumpore as now commang in the crumpore as year, further the named as well as the new helinging to their tree strange to the well the free neuthborru to the regiments with which they are employed, in dutterly droved of my drouple and frequently of the language spoken by the men of that regiment Moreova, the commanding officers of regiments having hither noting to do with the facing and care of the animals, they are not so well looke after or enied to as they would be if they were permanently made over to resuments

Major A P Palmer 5th Bengal Ca thry

It is made juste to meet the contragencies of trans frontier wars on a large scale the extent of our resources is importedly linous, and as rule as more see in India the animal crimes only be expected to proportionably decrease, unless great inducements are held out to brooders of laggage ammils

There is also I want of mildary organization in our system

Colored 7 Dorna Contents Ing 2"th P | 1 Dailed f stry

This is a subject I have not given much attention to, and therefore am not prepared to give in opinion, further than that I consider the present system is very defective in many ways, being costly, innertial, without organization, and inadequate to recet any sudden emergency

Colonel H & Others! Command ant tist if all fartra

I consider the present statem of trunsport as good and economical as could be mixeduced. The difficulty about hined a reage and the mamouse in annecessary mercase of rules within the 1 st thirty ! are mounty attributable to the erromous areas of well meaning, but

mustaken, civilians With reg out to hired entrage, there are one some when special presentions with mersion, drawns with registed to hard entropy, there are one some when special poer more expense for the lung and of though effects are now, and there came in Intille double that it was neglect of the experiment that came I so much been sufficient as more than the comparison of the experiment of the experiment of the experiment of the comparison of the experiment of the consequences; that between the two tie poor runnals are started, either through mont of actual follows. or from cold and wet, and so become useless, and die At all times, and especially during a campugu, or rrom cent are wer, was so recome access, the die. As an amost, the experitity during a campying, officers should be detailed to see that proper food is given, and that biggrege-amonds are in every respect dely cared for. And if on foreign service electings of any kind should be a necessity, it should be provided without delay by the Government. The possibility of such need can always be foreseen, and should in all cases be provided for

Colonel E. Dandr lge Command ung 40th Native Infintry

As the present system proved to be incomplete in the recent cam-pinga, maximish as its working fulled to provide suitable carriage for mountain warfare, it must be considered a failure

Colorel G W Frastr 59th Natire Infantry

I consider that the system of transport or carriage is now obtuning in India very faulty. It is entirely without organization of my land. An insufficient amount of carriage of good quality is mainand the contract throat or catalogue upon quanty is mit-tained in perce time. On the outbreet, of v war a trunsport department is hastly formed, composed of officers who volunteer from the reguments not actively employed. These officers, though mostly willing run land-nort mg, having had no previous experience of the system and being in very few metamees acquiunted with the language colloquially, numbers of surmals period before the system gets into working order

Locatement Colonel H Worsley, Communiting 7th Mative Infantry

In peace satisfactory enough, as time is no object and transport is always obtumble, but in war results in delay, great confusion, and com pantine inefficiency

Legatement-Colonel R. J. Walker, Commanding 17th N tive Infaitry

I think it is fauly good. Anything better would cost more money

L e trenst Calcust R. G Regers, 20th Punjah Nakwe Infantry

Faulty to a degree I reported fully on the subject at Gundamuk to the General Officer Commanding 1st Division, Peshivaer Valley Field Force, but regret that the copy of my report has been lost. The original is probably in Colonel MacGregor's office

Leuterant-Colonel F B Nor an Common log 24th Purjab Native Infantry

I think that it possesses the germ of an efficient system, but it fails in not being capable of sufficiently rapid expansion and from want of proper supermitendance, and I couless that I cannot see how these evils are to be remedied, except at great expense

Lacutement-Colonel El G Techer filst Aging Infantry

Infirm transport consists of four different modes of entringe les -Hurng or purchasing pack animals, such as camels, bullocks, mules, pomes, elephants, &c

2ndly -Bullock carts (wheeled earnage)

3r lly -Railvery 4thly -Cookes

With reference to the first of these, or, pack ammals it is a diffi cult and slow process to collect a sufficient number of animals to move a large force. They also early very light lovis, on. — Camels 1 manuals

Bollocks Mules and pomes 2

18 — Eliphitas can entry aight to the manner, but the expense of stoning them is "commons, and they are labor to ill immor to a brechdown for instance, going lame, meeting with recedents on the royal, and nathority from what of a proper manner of food and being overwheld, so that this commerce should not be entirely depended upon. Of come, when words entook be made, of if on entrying a required in a bilty country, prob. number and coolers with the the only mode of curring a writing.

and its above the second of th almost meakenable, as with piel-animals, which have to be unliden at the end of each day's march, the constant loading and unloading destroys an enormous quantity of the stores. Boxes break marce, use constant strong and universing destrots an entermon quantity of the flower. Blocks break differ constraintly being flowers on to the ground, large conclusing flour, &c. become nessewn, and quantities fall on the ground and we wested, and when on the ground, unless the transport office has tune and highly to edilect the whole of the stores and pred. them together, they are faible to be stolen, or dogs and other animals tran open the bags and destroy the contents. The cumching do not life realizing up the bregs, &c., as it saids greatly to the work and time of looking and unboxing. This has been grown in the life of figure as an

3rily —The railway transport is, though at the commencement by far the most expensive mode of transport, much the best, and in the long inn would most probably be found not so very much more expensive than the other modes of carriage. By this means of transport you are certain of three things. This, you store arise in quel time, in all you can tell prebly recurriely along you simplies util mark, you store arise and another than you can the prebly recurriely along you simplies util mark, which you cannot do with my exactions with each called of the other nodes of transport sounds to the control of the

It is not good or sound It answers for carrying out ordinary reliefs.

Major Sr B P Brerolend Bart 40th Sate 6 Life try Major A C W Crookshaul, Com

mauda g 82n i Pioneers

and for supplying entinge for ordinary purposes in time of peace The only systems I know of are

The only systems I show or mea-lat—The searched culture, which is treated of an question 3 grants— 2nd—Carrange for relate, which is divided into public and prants— the former being supplied by the commonweant from public curring, when avoidable, the latter generally supplied by the cult authorities. This carrange enemias in agreemed theory and the bread of such regular Longueze purposes I don't think a simplex or letter system could be intered. devised

Major F P Rowcroft 4th

Colonel H Be sregon Command mg 4th S khs

Le viennut-Colonel T J Baswell Con manding 2nd 5 kbs Lientenant Colonel F I Bair bridge 4th Sikha

3rd—Corruse for ear—My experience is that a regiment is gener-ally supplied with its quantum of termsyort, and retruss charge of it except during long halfs, when it is otherwise include. Occasionally speed unaugements in the shape of cooke copy are required and are then originated. Provided sufficient time is given to collect currage the system unsuers well enough

There appears to be no system at all, beyond what is very faulty and expensive, and liable to break down under any severe strain Radieally bad

That it is ulterly faulty, and requires organization

The present system of transport, se, departmental, under the com missailed, as me my opinion unerthefactory, and niw as liable to back down in times of wir, for the simple reason that the commission it is down in times of wir, for one simple reason that the commission is not able to stand the strum of the extra work imposed on it, in having to supply and superintend the transport of an anny in addition to the heavy duties of their legitimate department

I also than I that transport, except that attached to regiments on the advanced column, should be would don the clapes system, the advantage of which is obvious, as the autorile on return between stages are impleded and so rested, and also as at prevents overcrowding of cattle in campa but to continued curved of large conveys, and, most important of all, it encares both man and beast getting their daily food and grun, for a very title a stores of grun and fodder should be collected

I would suggest that transport of all kinds working from the base of operations to the front with supplies and stores should be on this

system Major A G Ross 1st Salks There does not seem to be any military system, sive in frigments, like the Pesh in ar and Rawal Pinds mule trains Carriage is local and

wirens all over the country as follows -Various kinds of carts Mules Elephants Donkers Camels Bullocks

Cooles, mea had a once.

The set all all drawn by miles The Indian carf is therey, alon, and cambersome. There are no do native early me Thront Sunn, Glumpirem. It is lightly drawn by no bulleds, set up beful no ever, and carries from 26 to 80 minute. It cannel go an rough ground. All Indem nexts we improved and any cent manufacture could produce a real to work in any part of the Indian plants. Road is some often counties when they abstract the temporal of any and the set of the med is some often counties when they abstract the temporal of the polymer Constitute when the abstract the set of the med for younger. General vorb, but most report on the set of the polymer Constitute when the polymer of the indian card is a delection and issue easily. Most on Indian card is the delection of the easily Most on Indian card is the following the limit in the polymer of the polymer of the set Coolies, men and women

12 mound loads Colonel W. A. Gib. Commandant Soth Modern Motive Infunity

I do not see how the present system could be altered. When our When our rage is required, that which is procurable must be tal en . If it count be procured by contract it must be required. All over Indea builted. or provides of come or a transfer experimental of the control of t numbers

Colonel S Edwardes Command-ing End Bombay Native Infantry

As far as my experience goes there is no system of transport in India A certain amount of curringe is lept up, which is utilized to the best advantage as oceasions require On the outlineal of a war, a lime spect to un a heatily organized, and gots into good working order just about the end of the comparign, when it is broken up 1 speck from personal experience in the Abyssinian expedition, and from the reports of the organisms in the late war in Afghanistan

Colonel If It James Command ing 10th Bombis Nation Info tra

The present system is far from good. Livery regiment should keep up its own carriage, and so be ready to more who ever which upon This may be objectionable on the score of economy, Int it is the only plus I I now of for efficiency

Col 7 Fa rhrother Commun ling 22nd Bouley Nati e It fantry

It requires letter organization, and to be made a separate dapartment of the public service

Colonel 7 I Walles Consumes re General Bongal

The carriege is suitable for service in India but totally multited for transport out of it. Camels, which were obtainable in great until 1, and vere admired by suited for work in the plants, are fet the pres-

and, ore admired is small for well in the planing no fit do specially and not her vern, can usbest takefully pleatfull, as in the Tampd, will soon be very some.

The Pumpd is pirely nearly played and of exceeds, there that remain we check fourths. The mints here mently deed during the new Pack bell did to me very senter Mules will possess if for a wife Pack bell did to me very senter Mules will possess if for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for a large of the fitting for the fitting for a large of the fitting for the fitting fitting for the fitting for the fitting fitting fitting for the fitting f

army in India must be, so to speak, manufactured in time of peace. The arm; in untal mess log, so to sperie, annual course in time of peace. The thiese to large po lucky spation of obtainable transport must be given up. The discontent of the same owners all over the Paupi I believe to be received, away to their sufferings and lowes during the lite we Critis and ladlocks are still obtainable in large numbers of stations below Labore

Colonel R A Moore Acting Commission General Modean

The system which obtains in the Midris presidency is to keep up a certain number of camels and elophants for the carriage of tents, drught bulleds for sick carts, and draught bulleds for artillery wagons. A onior's for not certs, and drought bullocks for artillery vagous. A statement showing the numbers for jury and the cost is subjured: All other curvage required a hard, and the hard carriage procurble consists of rounty crist and ped bullocks. The cut-downs will not truly service with troops unless pressed by a weignitrite, and the supply of peak-bulled as idementing some good roads, and analysay were multer peak-bulled as idementing some good roads and autorays were multer attached with difficults. attended with difficulty

Statement showing the numbers and annual cost of maintaining clephants, concels, under, artillery draught bulleds, and trade and trade and bulleds, for the use of transits of the Market party large.

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u log for die mail group and you of aftender to 7. S.—The I might I bellieve also hill a laps from some and all project. I will some the abole 9 digitari. I subject to the one of the abole 9 digitari. I subject to the one of the abole 9 digitari. Madlas, Tto 11th September 1870 R A MOOPE, Colorel

Locutement Colonel M W Wil loughby Acting Commissary Gen eral Bombay

The system which obtains in the Bombay presidency may be stated to consist in leeping up a small establishment of feld or moveable column carriage at most of the stituous a here troops are grantered This carriage is in charge of the excentive commissional officer at the

station, and is supervised by an establishment of inspectors and muceadums. It is used for truspert duty at the station or in its vicinity, and for the movement of troops on relief under the orders of the officer commanding the district

A memorandom showing the stations at which field column carriage is muntimed, the strength of the moverble columns and of the establishment of field column carriage, is subjoaned. The carriage of the movemen common and of the essensiments of the common carriege, is suggested. The corrage hept up is only calculated to move a very small proportion of the troops, and in consequence on oversoons of ichief of troops, carrings has to be hird to supplement the field column crimage, at all most stations it is not to be had without recourse to the civil authorities, as the owners will not brage their currage of their own accord Tield column carriage is composed of clephants camels males and of considerates and at a few of the brage status Marines and the beat provide for small desirable the series and at a few of the brage status Marines and the beat provide for small the present system is fault, The disposition of the Feld column carries should be reconsidered in view to contribution its egan ization amproved, and it should be placed under the charge of a responsible commissioned observations of the contribution of the cont

Statement aboung stations of which moveable columns are kept up, strength of troops attached to cath column, and the carr one and colubbahment authorized for the same

			oldu							14835
Station		Corgo and strongth.	Plenhants		Mules	Cumela loada g public	Camels, loading lured	Let musecidum	2nd muserdom	Bearers
Poons	{	2 1 ield guns 2 Companies, European infantry 2 Native "	};	17	196	50		1	2	96
Ahmednagar Malegam Satara	Ì	2 22 23 23 29 29 29 11 Company, European 29		2 oz 4	51 51 70	18 9 48	18			12 12 39 24
Sholapur Abmedabad	,	2 Companies, Native ,,	h	5	111	15	19			18
Deesa	}	l Company European , 2 Companies, Native ,	}	11			111		1	60
Rajkot		2 " " "		2	51	13			١.	13
Belgaum	{	1 Company, European ,, 2 Companies, Native ,,	ŀ	G	82	39			1	54
Kolhapur	- (2 " " British cavalry	,	2	51	13				12
Mhow	{	4 Lield guns 1 Company European infantry 3 Companies, Native	} 1	10	370		178	1	8	141
Neemuch	. {	2 Pield guns 1 Company, Puropean infantry 2 Companies Prative	}	8	68		83	1	2	00
Nusseerabad	{	2 Field gams 1 Company, European infantry 2 Companies, Native "	}		41		142	1	2	90
		Total	1	78	1,137	185	646	4	11	651

Colonel T H Sibley Deputy Commissary General, Bengal,

The transport in India (Bengul) at present consists roughly of about-I -1.000 elephants

II -2,000 ordnance siege train bullocks

III -1,000 Government mules t Pindi and Pest awar All other carrage is hired, and consists mostly of Reward camels, the tributed at virious stations from Peshawar to Benares, below which

station there are a few pack bullocks L'ephonts are indispensable in all campaigns in Bengal Tiey are

necessary to assist in moving heavy guns, and they are valuable as auxiliary transport with any large force

The ordnance bullocle are for siege train guns, and are absolutely For spare ungons I believe artillery officers in this campaign would

ha e preferred houses instead of bullocks.

The mule trains at Pindi and Peshawar (500 at each station) are

myaluable

Colonel M. J. Brander Officiali ing Deputy Commissary-General Calentia.

The present system of transport or carrying obtaining in India should be briefly described. Divide it into wheeled carriage and baggage-

Wheeled currage—At most statuous there are cart contractors or chowdres, who undertake to furnish units of 2, 4, and 4 bullecks at fined rates for use in the place statio, and between orders a bulleck at the neighbourhood at so much per mound between places runted. On the march of troops to a distint station, these men also undertale to other cards in number proportionate to the number of days' notice given, and, as a tale, they do not fail at their engagements. But under exceptional

of anys noises given, but, as a 1 mg, mer no non man at one engagements are commentance, as a very large and adolen demand for certs, or no a distributed state of the country, the cut authorities would have to be applied to Response counted.—Elephante, counted, bullocks, makes, panes, (e) the property of Government, (i) hitherto haved and furnished in a charge times by camel elevadories, as as relief of troops, compas of ablicity hires and turnished in a clinary names by cames contained, so are noted to the properties accesses, by These animals its becoming more source union the introduction of rulivays. During the late campaign the civil authorities had to be applied to in parts for causely, as the preparations were too hurred to admit of the chandres sending agents into the different districts. Moreover, about Jhung and Monigomery and all about there was great reluctance on the part of owners to lure their camels for service in Afghanistan, the experience of the former eampaign, forty years ago, being still a fresh tradition

Bullocks for loads -These animals are seldem or ever used in the North-Western Provinces of India or the Punjab as bagginge animals, and in the recent campaign they were only to be had in provinces so remote from the scene of action, that Government had to purchase them, as their owners would not take them so far from their bomes

Muter - Except at Peshawar and Rawal Pands, where a mule trans is kept up, these are ordinarily obtainable as wanted on hire, but, as in the case of bullocks, large numbers had to be bought and

for the same reasons

Ponice —The same remarks apply

To give an opinion on the present system of the above transport, I take it, the question means, "does it answer?" The ordinary "geney of chowdres or contractors for casts and bagging animals meets the ordinary requirements for moving troops in peace times, and the system of their being fur-maked to the toops through the commissional department and their accounts settled by that department works easily and well

When the pressure of war comes, and undue stram is made on the resources of the country, the cavil authorates are required to assist, on account of the necessity for reaching the remoter parts of the several districts, and to overcome the reluctures of the inhabitants to hire out their animals the review in the rest of the is at present, it is meanable of controlling, regulating, and paying the trumpert in the field

Calcael J Kerr, Dept ty Cora m son a General Le ver Circle Bengal

I would greatly reduce the number of elephants, keeping them only at phase where there is jungle folder, such as Barrick pote Julingorie, Judenjoie, and Jungle, and at the Central Circle, Directly and other

stations near enough to the Term, and substitute comels in thoir place.

As camels will not have at Dinapere, elephants must be Lept for the camp equipage of the troops

three, although thate is no jungle, near enough for their grammy.

I dust think the present system of bring cented by contract can be unproved upon. Perchasing control and keeping them would be for expense. The difficulty is that when a large defined to make for service in the field, the number of cambels has been so much reduced by the extension of rullways, that it is difficult to procure a large number within a reasonable time, or even to procure them at all

that it is difficult to procure a large number untime a reasonable time, or even to procure them as un. Wholed curring us sidew, and not so convenent as causels, but it we wan appress necessary to make contribute for the supply of these, if not for the camp equipment, for the curring at least of the ment is that and boiling, so, and thus remote the demand for earners. There should be no difficulty. I think, in getting contacts in 1 our rate pur builbuck as long as the carbonness are allowed to use their carbonness are allowed to use their carbonness are allowed to the carbonness and allowed to the carbonness are allowed to the carbonness are allowed to the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness are allowed to the carbonness and the carbonness are allowed to the carbonness aread a carbonness are allowed to the carbonness are allowed to the

And the bullocks could be inspected at different times, as the curts returned to their stations. The contractors would be bound to make these carts accompany troops wherever practicable—that is, almost

all over India, and even to Cabal

In the manner, pack bullocks, pomes, and mules could be engaged wherever there are the clust carrage of the district. This would reduce the present great demand for cancels, which appear to be

above what the country is able to supply-I mean in ease of u ir

As long as the owners are allowed to use their minnals in tames of peace, the rate per head should not be great, but in case of their being wanted for service or to be used in the annual rollef, would of course get full have A higher rate should also be fixed for beyond the boundaries of India This would be attended with expense, but it would give the commissional telegral right to their use At present they will servely take service in case of an onthreel, of war without impressment

I see no reason why camels should not also be bried on the same plan. Only this system would not do for moreable columns, the carriage of which must even be within two or three days' nach. It would be accessary to stapulate that the carimen and others be paid their have by the executive officer, the contractor receiving a percentage only If pand to the contractor direct, he would be apt not to pay the cartmen

Chi d S. Vickon Bo iy
Con start (Core is the n Orn
in word rispo of the Etyler
and Kampa I core

The transport of the Bengel array, as arranged for by the commismin word rispo of the Etyler
and Kampa I core

The transport of the Bengel array, as arranged for by the commismin word frameword in the commission of the Core in the Core field.

It was arranged for by the efficers of the deputament, and managed by them and these wake damaks—men who understood their beames. The cattle were locked after, and eccounts lest as The cattle owners had trust in the officers one them and the system so ket will and smoothly it was the old custom, and that though now deaded, next a long way with the Nature Relays it

was never tosted so seve cly as the newer system was in the late companya lut it never broke do The system of the late campangs was managarited after the campangs and commenced. No occupants of the late of the dates of any one Commissariat officers thought it was taken of

of they hands

Proveport officers - Colonels and ensugns who went up with the name of transport officers, bit is reality merely on that name to get somehow to the front, diskil ed the work alloited them, and did not know how to do it

The cattle owners were aghast at being managed by transport instead of commissaint offer

Cattle were neglected, starved, worked out deed, deserted, and the system broke down

If this is the system alluded to as obtaining in India, I heg leave to say it never all werk. Nor will any system depending upon the exitle of the country ; oak but under experienced officers (1 do not say communicant officers though they undealtedly would be the best, if their were enough of them, who will, in the first place, have the enterfaming of the eatile, and their sole care and manage ment from beginning to end

It won't do if one department supplies the carriage and another works it,-works it out, and als

for more—that won t do

But from subsequent questions to this one, I gather there is yet another system introduced—the regimental, departmental, and general division of the carriage of the army, and I must state my opinion on it in due order of questions

Colonel R. Q. Mannwarreng

In my opinion, the municulates of elephants as at present obtain is a useless expense, bec use the only time when they are useful is also Deputy Assistan General Kamptee they alone can be used to, when troops have to cross over lills without roads, or swampy plane, where camels, mules, or bullocks could not trivel and Government will never go to the expense of maintaining a sufficient number for making an entire supply of them

An elephant's feed costs as much as that of five camels or eleven mules or seventeen bullocks, and he attendant's gay is servicy equal to the of from caused only consecutive might be usen service when one man would be except to thee, and on elaphorat only corners factors much as a council or four might be used to the order of the consecutive when the consecutive factors is under a secure or four continues of the consecutive factors and only consecutive when the consecutive factors are under as the former and about eighteen factors are not as the latter, and he requires much more food, unless in large are much as the and is just as liable to die

The transport establishment as at present maintained has answered its purpose admit ably when marching with regiments, the officers invuisibly expressing approbation. The only complaints are regarding limit cattle, for ... The earls break down or the bullocks are not strong onci gli for the work.

Lieutenant Colentel J V Hunt Deputy Assistant Commissory General Bengal

I consider the present system to be good and suited to all require-ments within the limits of our territory

Its main pinneiple is the employment of fined currage is firest possible, nation of mantaning criticape the property of Covernment, such hired carriage being controlled by choudries and subordulate of order drawn from the class of carriage owners, and supervised by commissionat

I believe this system to be the most advantageous, and that under it bagg uge animals are better cared for, and that more work is obtained from them

Major M A. Rowlandson Ex am ner of Comm spaniat Accounts Bomlay

The present system of carrage in India provides for the use of ele phants, camels, mules, and bullocks with carts Of these, the explants are left up and fed by Government, camels are pattly kept up by Government and partly hared, mules are all kept up by Government, and crument and partly hirts, muste are all kept by by Soverments, not bulleds are purify Government penetry and partly here Of I the show mustals, the nucles appear the most metal, being litted for etherden gld or leading. Delphants are necessary to meet a partle ness that camels are least required, and I would with Gererice suggest that they should not be I ept as Government property, but hired it wanted, and I er press to the person on mules. Wheel carring darms by mines of milecks my non-he under his most parts of links proper and where wheels could not be proportionally all the property for the person of the p not go mules and halloed a could be utilized for pael -curi age

The strength of the field carrage in the presidency is at present

as follow

75 -	
Ekphants	78
Mules	1,186
Camela	185
Camels hired	869 all maki
Doolse bearers	865 au taom

Major W Luckhardt, Deputy Assistant Comm saary General Umballa

The system which prevails at present in the Bombay presidency is An express when present the continuous and the property of General ment, whilst evends me; merchally supplied by control. Any official carriage for the movement of temporary, for interest and it consider that for ordinary requirements this system is the most economical one that can be derived

Capta n J F Holday Deputy Ass sta at Communicary General Kandabar Owing to the extension of rulways, cut and camel carringe is year by year becoming scarcer and more difficult to collect, and a consider able time must be given to enable carriage for even a moderate force to be collected in my one place

Ro obtain earriage for a large army not only requires time but is a matter of much difficulty, and since the experience of the employer past closed at will probably be more difficult than even to procure carriage

J H B Hallen Day General Supern tendent, Horse Breeding Operations I believe the transport or carriage is hired, and do not think this system is good in entirety

2 Does it answer for internal and external warfare?

Lentenant-General C T Chamberla U C S I late Command ag Quich D 12 on

It answers in the plans of India because forage of sorts is generally a plential and Government will not be demad any thing required Camele retried in our own terratures are unsured to the barren mountainous countries of Belind islam and critis are as much out of place

Regimental transport would be preferable, but it would be more expensive

Leutonant Govern W T Engines on Communding Strand By means of such a system we have intherto transported our armies but it is ansat sfactory in every way. It cannot answer for external warfare if field operations are protracted

L sutenant General T Forbes Commending Mhow Division Major General A. W. Mac of to on Commanding Hyderabad Bul Suitable for small expeditions in the country, not suitable for external warfare

ed any Force

Major General B. O. Bright
Commending Metral D vision

Suriable to internal warfate, provided the means available bear due proportion to the end in view. Applicability to extremal warfare must depend on speed conditions of the particular service. The recent experience in the Afghan campaign tends to prove that

Mayor General H. R. Brewne Comma dang Sanger D street it is not well saided for external warfars, unless supplemented by a sugarbr transport come. Yes, I do not think that any other system could be devised that would so well meet both the requirements of the troops and the local norms of cupples.

Major General J W Schue der en Comms 1 g Northern Dva e on Bombay Army Tor internal wrifter the existing system has answered all purposes Tor external wrifter hile the Alijasiman Expeditionary Force, a special transport service requires to be organized

Brigad er General G Berrows Quarter-Manter General Bombay Ara y It masses a perfectly for internal warfare, and unless we were suiddealy unvoiced in an inforence on sternal near—contingence who should bridly arms—it should answer equilly well for cervice beyond our frontier. Hitherto it has answered for internal warfare, but the recent curprings has shown how unequal it is to meeting the recumements of

Br gul er General T. J. Marray e n., Moolton Bregade

external warfare on a large scale

No, I certainly do not think that it does for either

Colonel 7 A Tytler Cn v.c. Commulung 4th Goorkhas Colonel J Macdensid Secretary to Be on no t of Bonning Multary

Yes, for internal warfare. But for external operations in organized transport service would be necessary

Department

Colonel & H. Mirray Depair
Alignout-General Royal Artiflery
in led a.

While it may answer for internal it occitantly does not for external writer. In the latte in the alse one of tools this for wheeled carrange in monthscene of states, we must ablieve the c mel proxy or nucle There has to be baught or brief of the occision or all do not consider this system las protect to be satisfactory. Attention should therefore be specially described to multilying our lampouring the breads of mice, or which if e organization of a special trimsport service vividels for each operation should be issued. If mediation to there being no pie, per reads in certain parts, there is a death of mules, coolse carriage may leave to be revented to

L cutrount Colonel A G T Hong Depaity Quarter Master Gen eral Boo kay Army Les, fairly well for infernal warfure hat the urrangements to be made for external warfure are not much affected as a completely new organization then takes place. I cous der it does better than anything which can be substituted for

Les femant Colonel H & Little Offic ato g Deputy Assatus t Quarter Master Gen rit

it, and if the details connected with it were fully considered and systemuized.

I but already expressed my opinion in reply to question 1, thrithere is no system and it therefore cannot be said to answer for warrive

Mayor \ \ A I slock Dequty Ass stant Quarter Master General (972)

Coptain M J King Harman Dopais Assistant Quarter-Mester-Ce crat.

I cuterint-Colonel R S Cle In d 9th Queen's Royal Lancers

L cutemnt Colonel Lord R D Kerr Commanding 10th Hussare

The system is all adopted for internal warfare, and utterly ausmind for external wurfue

Yes, for internal warfare

The recent campugu's experience gives a negative to this question as for as external was as concerned. As for interval was as much as for external, the cattle must shortly cease to be effective unless rationed on a sufficient scale proportioned to the work required of them under established supervision. Besides the less of cattle entraled by short splits continuous supervision. Designes are provided and underso power of a force at the health and motive power of a force at the field as impaired and a gramble endly is entiated on the country to obtain interior wittle to replace those lost, at a cast which would for exceed that required to 1950e the ration necessary for the maintenance of

Lacutement Colonel J C Lo Quesne 12th Lenters

Le tenant Colonel G Luck 15th Hussare. Major E A. Wood 10th Hus

Captain J A. S. MacLenzie 9th Lanous

Colonel J A. Ruddell I 25th Reg ment Legalanant Colonel T Res land

Commanding 1 5th Fusikers Locatement-Golomal A Temple men, Commanding 1 21st Fuediers

Locutenaut-Colonel & P Walker Command p. I 12th Foot.

Lacutement-Colonel J S Hand, Common d 1 g sith Recupeut.

Las terra t-Colonel J W Hughes, 64th Regiment.

Lacateanni Colonel C B Knewles, Con mand me C7th 1 egiment.

L cutenant Colonel G II Parker. 92nd Highlander Major F Stoj hon 4th Battalion Ride Bagade

the cattle If would

Fide answer 1

For internal, I faney, it answers fairly well, but for external warfare it is not situsfictory

It answers for internal but not for external warfare. I would see gest male curringe for the buggage of the regiment, and camels only to carry the tents in the latter case

No, not in a satisfictor; minner

It answers for internal, but not so well for external

External warfare would apparently necessitate the emission of other ammals for the camel and elephant-mules, bullocks, ponics-as more convenient for slapment

It might miswer fairly well in ease of internal waifne As regards external at would depend so much on the nature of the country in which the operations were to be carried on

I do not consider its organization statuble for either

Then, though the troops My only experience is that of the muting were supplied on a scale which end led them either to more with far celerity or to occupy their positions for long pounds with all necessit comforts, the transport appeared always efficient

Not when celerity of movement is required. Given good roads and time, the system would answer for internal warfare

I think internal and not external

Although at may answer furly for internal warfure, where cart wall exist, and bullede caris or camels (which, specifing general), are 16 trunsport of the country) can be used, yet on the orbits at or instrument of the country) can be used, yet on the orbits at or insurant the whole system is changed, unde carringe is absolutely need try, and the commissional department have neither time nor experiments

ensure a sufficient, effective, or economical supply Major Hingh P Pentson 12th It always has answered for warfine, all other niternal or external so long as operations were confined to the plans. The resources of India th carriage were equal to the great and so iden strun of the compage of 15o7 to 18o9. In the older campages of the Punjab and Gardier its

on 10.00 to 10.00 In the course complying to the Prints and Santra's supply imports to have been equal to the demond at all times. Soft as I know, the transport has never blocked down, except in the Algl in compages, and there of he canel, to which we much trusted, could not find the food he needed, and was exercised and utterly unever I for Moreover, he is not fitted by nature to stand the severe cold of Aigh metan as b

his Bretiann brother The main and the values are the proper beasts of busines for cell and mountains a construct as on these we must in future rely when operating under such cond tone. Large supplies of the autologism is the minister of all statuments the purple, where there must be defined as the conditions of the camel for the supplies of the camel for the conditions. service of the morrable columns, and mule breeding might either be undertal on by, or receive warm

encorregement from the State But although for camp ugns in cold and mount mons regions our main rele nee must be placed on But difficució for camp agra un cold and mount mones regions car m'un red non mark le phone " the main e ul vinne, there no revenu un high came dobasil mels need for (enspert shang the mush mes en formammentam until our base, und unit great a la vintaga, provided le ar propriet. Les de la festiva ette la de a good final, how been su un for ever exame. It is le provincial to the first the construction of the provincial construction

often for in exce s of the value of the animal lost

Appendix IV

Majoz J H Campboll 33rd Rogement, As well as any other that can be decised, the varieties of soil and country prevent any particular mode being definitely adopted

Major I D Dyson Laure 54th Regeneest.

Doc com

For intertal use where much baggage has to be carried, it answers for external, where communications are bad, but where baggage as lumied there is nothing hide mule-carriage. Locouragement of the breed of nucles seems describle

M por W H J Charle 72mi Hgl Inders It answers fairly for internal warfure, but not at all for external

Major G S White 92ml High landers

Colonel C R O Franc Commund g Royal Artiflery, Meetuk To external war it has broken down

It always has answered successfully bitherto for internal warfare A greated as back to its extension to operations in foreign territory is the system of leaving the properties of entitle taken up for triusport

to provide food for themselves and their entitle instead of this being provided by the commissional.

I material Colored L. Ections
May experience on field secretor is so very slight that I think it better and to torouble may one to read crude theoretical opinions of name when

not to strong our great on the control of the control of the strong to the control of the contro

Major Buti Holant, R. A. Maly Soop to the Governor of M. Irak Major H. O. Lowes Commanding I let Royal Artiflery Puls answer 1

I think uniting tall the lest moment and then beaung stables recourse to the resources of the country authorit any registration of brasts or examples in the several distincts to cold to, whently some estimate of what is presumble can be arrived at makes the exembling and organtarities of a large transport a most difficult matter, and practic commanders and any grabble vicilations at a false maccanets

Major F T Hume Command og C C R H A los, for internal warfine

M. je, W. W. Markoch Chan me ling L & Royal Home Artil lary

We, aformal narrane see a the also need Indee the appearing corresponds transport could be made a varietie that for external variance, such as the late campaign in Afghamistan, I should say it did not ansate it consider that iterations should be made as not suggested in my

Major T. H. Hande gg. Com mu ding L 3rd Royal Astallery answer to No 7 forther on

I thind it would, with a staff of non-commissioned officers, both
cuternily and naturally. The class from a back courage is drawn are
not highy to resolt

Magor the Hendle A Stewart, Condg I C Royal Herse Artillery I have no expensence of internal warfare. It certainly failed signally for external

Major C F Mairie Royal Horst Artillery

No it does not meets for trues of either neather or peace Collected with greet dairy, the brigging sommis has chilente nesture of fully in the plane, because fortunitely for use they require to more supervision not food than one reddly be given by the regiments they are titsched to but directly the wantals we placed in any unuseoustomed postion of food, borthly, or elimitely they know down

Major P Tring Gallwer Boysi Artillery

I that it means for internal nurfue, and that little impersions would be required here beyond regionated. For external nurfue, however, where the work thrown on the number is because, and the means of missistence in one precursors and where much larger numbers would probably be employed, so required originarities.

Major W II Noble Royal Artifice

However the present arrangements may answer for internal warfane, they certainly do not meet the requirements of a campaign across the finature

Capt G C Boy y 23 8th R &

Tule mover 1 Tule moves I

Col O Wall mean fash B C

Hatherto equal to meet the contingeness of true frontier wars on a large scale

Colonel Hagh Co gl Com mandant 12th Bengal Casalay (974)

Capta n M G Gerard 2nd Central Indus Horse

No -With the exception of the small amount of mule or pany car mage available, it is so indifferent, that marches are regulated not by the

capabilities of infantay but by those of their baggage The use of compressed provisions would enormously lessen transport difficulties, and allow one numbe to carry as many rations as are non a load for two camels. On Cabul scale one camel carried 100 rations

with compressed processons he would carry 640 For India no other I and of carriage would rusher as well

Beignder General G. I Godby, Comde Paniah Frontier Perce

L'entenant Colonel C LaTauche, Commandant Peggs Herse No doubt it has inswered in a sort of why in the pist, and may do so in the future, by improvising on the outbreak of hertilities a train port corps to supplement the permanent arrangements , but if a scheme could be introduced which would, without very great cost, provide for a similar expression of transport without hurry and confusion, and which would at the same time arrange for the requirements of organization and military discipline, I think it would be a great improvement on the

existing system

I sent Col J H P Valtalmage, Commanding 3rd S | 1 Herse Major & P Palmer 5th Bengal

Under the erreumstruces noted in answer 1, I do not consider it does It has bere of one, I believe, answered sufficiently for internal war fare, and if the rulways always remain in our bands, there seems

Colonel T Deran Communicates 27th Punjab hat to Industry Colonel H. S Obbard Com-mandant dist Bengal Infantry

Carality

nothing to unreliend as to its insufficiency south of the Jhelum Only indifferently for internal, and certainly not at all for external warfant

I thank it does India is so large, and the circumstances of cam naigning very so much, that every campaing and the decemberaces or provided for The currings provided for the commencement of a campaing abould always be supplemented largely by large, on requisition of campaing abould always be supplemented largely by large, on requisition of campaing subtible too, and obtainable without, the theories of very largest provided the company of the cases, such carriage might be obtained previously. This any endersone made to purchase Afghan camels before the late campugn commenced or to have them through contactors?

Celegel E Dundridge C mand no 40th Nata e Infantry

As the present system does not provide at all for supervision, or for any reserve carriage, or for carriage sustable for warfare elsewhere than in the plans, at does not answer for cather internal or external a arrare No for the reasons given in answer 1. There should be a permanent

Colonel G W Frasor 39th L cutenant Colonel H Worsley Commensum Tila Materia Influstry

Native Infautry

Datne Iufai try

transport department, with an offices of rank and expenses at the heal For neither Wherever troops are located no require a certain amount of transport metantity in with it in the of internal instratorners, where

at present it is only a while at enturn stations For external writare the transport maintrined is so widely disperred as to be only available at great expense. And from want of systematic organization it is ill adopted to great operations

Let stemmt Colonel R J Walker Communicate 17th Nature Inferies

As far as I know, it does very well, but I have never been on feld sers tee

L'entenant Colonel R G Rogers 20th Punjab Nat ve Infantry Lacutement Colo el F B Nor on Commonlag 24th Punjab No, it invariably fails

Laentenant Colonel H St

we have had no internal warfare. All our expeditions line been become out frontier, and in hilly countries, and I think I am right in saying that the system fuled on all occasions. I benever consider that it would answer fauly well in internal nurface. I don't think that the transport arrangements for any of our emps of exercise can be said to baye fulled Yes any of the above mentioned modes of transport can be made to

Since the present system of moverble columns lies been established

Tacker 41st Notice Informaty (Iste Super render t Transport Trans 41st Nature Informaty)

answer, but proper rules and regulations thould be laid down, eren to the alightest delail. When the three modes of transport are united to use t each other, the transport should answer perfectly

Major Ser B P Brombesd, Hart., 10th Native Infantry

It does not answer for internal or external uniface. Not is it to organized as to be readily explain of expansion to meet the sudden and e-transfinary requirements of an army about to take the field

Major t C W Crookel tak Com mand ug 32nd Puncers.

For internal mar if a mere rind is required, sufficient earnings ! there is all the from the public cornings in the station and the presate

curringe in the burnes or can be get in a few hours

If it is a regular expedition or war, then a few days would be required

fo collect and regar tion the needed energy, which would be distributed under the arrangements now in force. Considering that the views of all rig riding the need to be a recommendation of the considering that the views of all rig riding the need to be a recommendation of the considering that the views of all rig riding the need to be a recommendation of the considering that the views of all rig riding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the considering that the views of all rigiding the need to be a recommendation of the rigiding that the views of all rigiding the recommendations are recommendation. herry equipment have so madified of late, there need be no apprel ensure of any want of carriage for enternal warfare. In the old days of mess tents and champione lunches no doubt the carriage question presented more difficulties than now a days

For external mar as I have already said, if time enough is given, there will never be my scarcity of carriage, but if the troops are moved to the theatte of war by trum, at the rate of 20 miles an hour, or carriage, non as net seeding two moves no net seemine as man my crus, so ned like of 20 miles the 26m; and the carriage for review is the intel of 20 miles as day flows must necessary be delay. This can only he obvaried by the manuferance of a large seround of carriage, ever ready non-probable serts of war, moving an expenditure begand seeds such saids. Think, therefore, will carriage requirements for external warfare can be easily not trade exciting arrangements, as they alweigh byte been under most difficult correntations. Possequents should become said to their som carriage, except in stateing camps, when it should be lent for departmental or general use

I might add that, under existing rules, officers are supposed to keep up carriage out of their evira brita

Major F F Rowcroft, 4th Goor

I do not think it does Certainly not for external warefare, though it answers well enough for the movements of troops during peace time

Colonel H Boureagon, Command ing 4th Sillie

Neither

Liethmost-Colonel J. J. Bosnell Commanding 2nd Sildu.

I do not think it does Certainly it is a failure in external waitare. In the present Afghan campaign the losses among bagging animals can only be attributed to the defect of the system agricance of transport officers, and refused of those whose duty it should have been to assist camel owners with food for their animals to do so. In my experience however Mithaul of and Quetta in January and Pebruary 1879, no less than 110 camels the property of provide oners, due on of 418, while, out of the tegensetal exhibits must of 62 camels, only one duel in three months. These latter were duly each for and fed, while the former nece starved

Lesuienant Colonel F T Burn bridge 4th Siklis

No, for the reason given above, and when was breaks out a trans sort under the commissional, officered as it must be from all quarters, is all ely to cause a certain amount of friction in the deputiment, which cannot be conductive to the walfare of the arms

Major A. G. Ross 1st Sikks

The carriage of India answers for internal warfare

To extend water to the order to the distance of the control of the however, he helped by Government in foreign lands when enemies, &c, make at difficult for them to work alone. Also in spoural operations

nerice to constitute the which we were those a see in spouri operations of Gerermann should belong and be prepared to pay extra to the contractors.

For camels, whether worked by a transport department or by contract, sets of camels should be kept at all resting phrees, who should do nothing but bring in food for the camels working up and down the line of communication Camels on the march all day cannot graze, and yet stust be fed Moreover, all the line should be divided into stages and annuals should nork backwards and for nards only on their own section This applies to all animals

Colonel W A G b Communicant 25th Madras Nature Industry

It answers for internal warfare. For external warfare probably the currage of the country, whatever it might be might be procured. If not, the Inden carringe must be taken on noteur coleur

In a country ble Afghanistan, for instance, camels would no doubt be the best, with as many mules, pomes, and donkoys as could be proenred Of all sorts of curriage, pomes and mules are the hardiest. In Burns most moves would probably be made by water, in boats and flats lowed by steamers

Colonel S Edwardes Countried and 2nd Bombay Nelsia Infantry

This want of system answers neither for internal nor external war-

Colonel R. H. James Command-ing 19th Brushay Native (Light) Injustry

Whenever troops move, there is more or less difficulty about earrage, difficulty in getting it, had when got discontent among owners, who are generally pressed to supply it, and the price paid usually high It answers so far, that currage, with sufficient notice, is generally forthcoming, but there always appears to be a great strum and effort to get it, and much confusion and want of organization

Colonel J Fa throther Commandi mg 2°nd Bombay Native Infantry Colonel J. I. Walles Continuestary General Bengal

No, not at first About the end of the campaign at becomes efficient

Internal faulty, external no, as proved in the late wir. Camels from the plans succembed at once in every column from cold, starvation, and went of obtaing and incompetent attendants, and they would again it similarly employed. I believe good debting would have street many eamels, but Government declared to canction it. The startation would of course occur again, as there is no food for the enounous number of crinels that must recompeny an army to Afghanistan It is only the British Government that rehes on crinels living in Cabul in and waster, the Cabalis send their camels to India for winter months.

Colonel R. A. Moore Asing Commissary General Madras

L entenant Colonel M W Wil longhby Acting Comm stary Gen eral Hombay Tide answer 1

As shown in reply to question 1, the establishments munitured are so until that there may be evid to be no yetern fitted either for intend or externed varieties but the field column corrupte establishments here a certum unmount of organization and diversion, and if pheed on a proport footing, should become a valirable mediens for skeld estable is must of unny currage for service either un on the finder.

Colonel T H Sabley Deputy Commissary General Bengul The present system answer well for interril wrifter, but hard errorage is absolutely necles in war time beyond the frontier. The wast of distribute word absence of my inferest in the animals (which do not belong to the drawns) sender the attendants merpable of bear controlled.

Colonel M. J. Brander Officert ing Deputy Commissiry-General Calcutta

By internal warfors I take it, small comprigns one meant, such as the Umbeyla, Luslen, Birck Mountern, Bhoolan If so, I think the present cystem of leverage the trumpaint critical punder the comment is vectorable, and at has been found, I behave, to cuswer well, with the additional and of a few selected uniform officers.

If by external worders is meant such companyons as that in Alpasians and the recept once in Algebraica, both long on a much lage such, that I caused it described that the entire transport should be placed under a sign at a body of officers, homing a transport departmen, under the direct orders of the military authorities, and extirctly separals from the commerciant.

Colonel J Keer Deputy Com messary General Lower Curie Bengal les, I thin it does is well is any system could. I am takes economy into consideration. Of course, with a larger expenditue i may effective system could be devised. For instruce, a large in their of exmels and mules could be fought and munitimed, but the great expesse of this I bod on as an obstacl.

In case of external warfers, some exterordinary expense would be necessary, such as supplying the camels with good phools, the driver with a blant et, &c, otherwise they could not serie in a cold country. The issue of these virtless should be made being the troops in wh

Larentonant-Colonel J. V. Kunt, Dequity Ass stant Communicary Gen eral: Hengal

It maners very well for internal worken and for such purpose needs no reliational transport establishment. But as regards external nonfrare, it of course requires medification and enlargement, departing upon the ratin of the section and the country in which it is most taken. To service in a foreign contry, larging a number my hare it to porthready or even if limed crimnee is used, more extraous applica-

be purchased, or even if hired cruings is used, more extracts supervision is necessary, and gravity assistance must be afforded to the owners of currings. This machine the establishment of some description of transport train, whether separate from the communication can administ these?

the establishment of some description or transport trans, articles supervise norm to communities as an adjusted threating and described the service is lower, but the common most de of delaying such preparation and organization until the service is lower, but the common most de of delaying such preparation and organization until the troops are actually tilling the field should be varied. In the late company in Arigination the question of establishments of a traverset transmiss and satelled until after monoments of troops but commenced. And then as the cell for operations in different directions wasse, local organization symmoly commenced with the moreh of troops.

Indian transport is combinesome, and it is an error to suppose that after its collection time need not be allowed for its organization

Major M. A. Bowlen Ison Francuer of Commissariat Accounts Bombar It is succeptible of much improvement for the purposes of both internal and enternal nariarc.

Major W. Lackhardt Reputy Assistant Communicary General Umballa

As pointed out in my topl, to question I, the present system only meets ordinuly requirements, and is therefore not idapted for internal or external warf we, when the large transport required for an army in the field byes to be dealt with

Captain T P Hobdie Beputy Ass stant Comm stary General Annialian Hithe present system of human currence for the emergency woold affer for internal waffue, then it may be supposed that it will be will be in up by rul. It certainly cannot be said to mence edisfactority for an beyond the frontier

regions are invited.

Algebraistan, which is likely to become the lives ground of inforinformation wars, as mannerly insuried to conditionary, both on a warst';

fronter wars, as mannerly insuried to conditionary, both on a warst';

the long declaraces this live to be morthed and this private of force, all
through the country. There would thrive be nuthantows by so formula
in which is country, no matter what presentations were tall as for the preservation of the animals.

I H B Hallen Fag, Ceneral Superintendert, Herse Bracking Operations It inseres comparationly nell for times of peace, but always lade during active service

3 Do you consider the system of moveable columns to be a good one?

Licutement General S r D M. Stewart, z.o.n Com an bing Southern Afghanntan kield Force

Having already given my views1 generally on the question of transport. I shall confine my remarks on this paper to such points as may not have been embodied in the correspondence referred to in the margin, and now in the Quarter Master General's office. The system is sound, and ought to be maintained, but in practice it does not answer all the pur-poses for which the establishment is lept up. During the five or six years I have been in command of a district and distrion, I have not once been able to got the moreable column eattle for purposes of instauc-tion and training of the troops. In my own case the cattle have always been recovered to meet the wants of troops moving in relief or the crump of a hentenent-governos or other exigency of similar character With this exception, however, the system meets an important want. These remarks answer questions a and 6 in the main

Lectionant General C T Chum berla n carr late Communding Guild Divesion

Yes, I do, because it is imperative to have the means of moving a body of troops rapidly

It is economical, as most of the animals used are camels, of which only so many are kept in contonments on full hire as the commissanat actually require The remainder are at graze on half hire, subject to recall within 24 hours

Les stemmi-General Hughes C.D., Commanding Straind The system would be a good one if it were properly worked. The transport cattle and their attendants should be attached to regiments, ranging enter and their angularies should be independent to regiments and commanding officers made of expositely for efficiency and for the troops being held in readiness for immediate mediational. They should be frequently manched out fully equipped for service, and at the discretion of the commanding offices keptin camp for factical instruction.

Les itement General J Forbes, Commandant Mhow Dr. 1902 Major Central A. W. Marint re on Commanding Hyderalad Sub-entiary Force

Yes, but it might be improved by the modification suggested in answer 16 Might, and ought to be a good one, if carried out on a practical and

Mater General R. O Bright, Commanding Merrat Dramon

Under present encumerances I thun it probably the best. Where there is no question of expense, it would be better to keep up the same mount of carriage as fransport corps, which would form a nucleus capable of extension when required, and would afford opportunities for

independent footing

any distance

Major-Governi II R. Browne, Communding Sauger District.

tenching officers, non commissioned officers and men transport duties No, I do not see that there is any advantage to compensate for the expense of maintaining them

It is a mistake to suppose that they can be ordered out and moved off at a moment's notice

The bulk of the transport is only maintained at half rates, and regunes time to call in Supplies must also be arranged for if the columns are to proceed to

Major General J. W. Schmeider e.n. Com na d'ng Noethern Divi sien Bowhay Army

Having regard to the extension of the radiway system within the past twenty years, and the general peace and quest first has prevailed in this prevailed, during that period, the system of movemble columns would appear to be no longer necessary

Brigad er-General G. Burrons Quarter Muster General, Mosebay Army

I consider that an establishment of clephants and mules should be Lept up by Government, these animals not being obtainable when sequired, but I doubt the advantage of maintaining an establishment consisting of the ordinary enrings of the country, which, as a rule, can sendily be collected on occasion

Br gular General P G Kemp ster Command up Geded University

Certainly, a very good system I know of no better

Brgod er General T J Munusy e n., Moolton Brgode

Certainly not. At most stations where they are kept up the camels graza so fan from cantonments us not to be available when suddenly regrows our front enrouments to not to be approve to necessary re-quired, thus deferting the very object for which they are monitored at such a heavy expense. In the present state of the counts, unless at some frontier statuous sudden movements of troops to repress local dissome routes actions as sugar movement or curyer or reservely, but themees will very esiding, or moded I may say mover, he necessary, but me easo of such a contingence, sufficient suitable transpart could wornly be procured locally as queedly and generally with much less sleely thrus that of the movembre columns. Moreover, he generally huppens that many of the cumels are too young, and all, from being so seldom used, are not m a condition to stand hard work

I would therefore entirely abolish the present system, and at frontier stations, where troops must be prepared to more at a moment's notice

^{*} In a correspondence with the Quarter Ma.ter General

Colonel R. A. Moore Acting Commissioner General Madora

Leutemant Colonel M W WH loughby Acting Commissary Stn eral Bombay Fide answer 1.

As shown in reply to question I, the establishments muniqued as so small, that there may be said to be no system litted either for internal on external wafare, but the field column corresponds stableshments have a certain amount of organization and discipline, and if placed on a proper footing should become a valuable nucleus for a field establish-

Colonel T H Shley, Deputy Commissary General Bengal

ment of army carriage for service either in or out of India The present system answers well for internal warfare, but had currings is absolutely useless in war time beyond the frontier of describing and absence of any neterest in the number (which do not belong to the draws) render the attendants morpable of long

Colonel M J Brander Officintng Deputy Commussary General Coloutta

By meernal wanfue, I take it, small companyes are meant such as the Umbeyla, Lashan, Bluel Mountain, Bhoolan If so, I think the present system of having the transport entirely under the commissional percentable, and it has been found, I believe, to answer well, with the additional aid of a few selected military officers

If by external warfare is meant such campaigns as that in this sum and the secont one in Afghanistan, both being on a much large scale, then I consider at desirable that the entire transport should be placed under a separate body of officers, forming a transport department under the ducet orders of the military authorities, and entirely separate from the commissariat

Calonel J Reer Depais Con musery General Lower Cuel Bengai

Yes I think it does as well as any system could I am taking economy into consideration. Of course, with a larger expenditure i more effective system could be derised. For instance, a luge number of camels and mules could be bought and maintained, but the great expense of this I look on as an obstacle

In east of external warfare, some extenordinary expense would be necessary, such as supplying the camels with good phools, the driver with a blanket, be, otherwise they could not serve in a cold country The asse of these wheles should be made before the troops much

Incutencest-Colonel J V Hant, Deputy Assettant Commissiony Geo eral Bengal

It mawers very well for internal warfure, and for such purpose needs no additional transport establishment. But as regards external warfate, it of course requires modification and enlyigement, depending upon the neture of the service and the country in which it is under taken. To service he advised must be begressed in the best state of the service in a fronge country's begressements my hard to be particular to even if imped change is used, more extracted entry that is necessary, and gentler assistance must be sidedled to the covere of carrings. This makes the establishment of some description of imagent train, wheller separate from the commissant or

as an adjunct thereof as an argumer accrean.

I think that such additional establishment can only be provided for when the actors of the service is known but the common mustake of delying such preparation and organization mall the troops are actually fixing the field should be vesseld. In the left computing in Afghanish the question of establishment of a temperature are not establishment of a temperature are not establishment of a temperature are not establishment of those indi-

commenced And then, as the cell for operations in different directions areas, local organization again only commenced with the march of troops

Indian transport is cumbersome, and it is in error to suppose that after its collection time not not be allowed for its organization

Major M A. Howlandson Fran-mer of Comm seamet Accounts, Hombay

It is susceptible of much improvement for the purposes of both mternal and external warfare

Magor W I sell andt, Deputy sustant Commit sary General, Assistant Hmballa

As pented out m my reply to question I, the present system only meets orderny requirements, and is therefore not adopted for internal of external martine, when the large transport required to an army in the field has to be dealt with

Copta u T. F Hobby, Deputy Assetant handshar

If the present system of burng curringe for the emergency would suffer for meern it writere, then it may be supposed that it will be well lacked up by rul. It centurally cannot be said to moswar satisfactorily for nor

beyond the frontier Algernative, which is likely to become the base ground of fatore frontier wars, is commently meanted to camel tarrage, both on account of the long distunces that here to be unreled and the sentering, took on account the long distunces that here to be unreled and the senterity of tenne difference the country. There would always be an imminest less of custom to country, no matter what precautions were ful or for the pe servation of the annuals

3 H B Hallen Fra Coneral It answers comp Saperintendent, **Coerations**

It answers comparatively well for times of peace, but always fails

3 Do you consider the system of moreable columns to be a good one?

Legienant-General Sir D M Stewart, K.OB Command 12 Southern Afghanistan Liebi Forca Having alondy given my nearly generally on the question of thespirit, I shall confine my create on the puper to seek points on may be there exist on the my create any and move in the Garitta Martin General solice. The yellow is sound, only it to be martined, but in practice it does not seek at some real paper. The yellow is sound, of which the establishment is beytup. During the five or an years I have been in commend of a during and advanced. Here so it may be the purpose of the three three here also for get the movestile column cattle fast purposes of instancture and turning of the fronge. In my own case the cattle have always been required to meet the wants of troops moving in relief or the examp of a shetter theoretie. With the exception, however, the system needs on important unit. These remains sweet questions of an the main.

Leentenant-General C T Cham berlam GET late Commanding Outh D vision Yes, I do, because it is imperative to have the means of moving a body of troops repudly

nonly or trops reporty

It is economical, as most of the manuals used the comments of which
only so many are kept in contemments on full here as the commissance
actually require. The remainder are at graze on helf-hire, subject to
recall within 24 hours.

Leutenant General W T Highes on Commanding Subind Dies on

The system would be a good one if it were proparly world. The imageri extite and then uttendrains should be attached to regiments, and commanding offices made responsible for efficiency and for the troops being held in insulance for numericals modulation. They should be frequently matched out fully equipped for service, and as the discretion of the commanding officer Leptin camp for tautoral unstruction.

Licetenant-General I Forbes, Commanding Mhow D via coYes, but it might be improved by the modification suggested in answer $16\,$

Major-General & W Mountum on Communiting Hyderabad Subadary Force

Might, and ought to be a good one, it carried out on a priotical and independent feeting

Mayor General R O Bright Communding Meerot Diges on. Upde present encumeraces I time it probably the best. Where there is no question of express, it would be better to leep up the same amount of earning as transport copes which covid form a understandable capable of extension when required, and would afford operaturities for teaching officers, one commissioned officers, and have transpot datases

Major Conoral H R. Browns Commanding Sauger District No, I do not see that there is any advantage to compensate for the expense of maintuining them

It is a mistake to suppose that they can be ordered out and moved
off at a moment's notice
The balls of the temporary is only mentioned at half rates, and re-

The bulk of the transport is only maintuned at half rates, and requires time to call in

Supplies must also be arranged for if the columns are to proceed to any distance

Major General J W Schne der, o D Communding Northern Division Bombay Army Hing right to the extension of the rations within the past twenty years and the general perce and quiet that has prevailed in the prevailed in the prevailed of movemble columns that appear to be no longer necessary.

I consider that in establishment of elephant- and mules abould be

Brigad er General G Flattons Quarter Master-General, Sembay Army

kept up by Government, these nameds not bring obtainable when required, but I doubt the advantage of maintaining an establishment consisting of the ordinary carriage of the country, which, as a rule, can ready be collected on occasion.

Brigadist General P & Fempster Communiting Coded P stricts Br guden General P J Marray, o.s. Moditon Br guide

Certainly, a very good system I know of no better.

Garbuily and Advanced dedocate where they are leads up to person for the continuous are not for a standible when and shall prequest, thus defining the vary object for mind; they are manufacted at some fronties at draw, modern movements of temps to represe the temperature of the country, unless at some fronties at draw, modern movements of temps to represe level their chalances will represent on some ments of temps to represe level them are not forced a continguesse sufferent notation transport could in sulp be provent bouilty as quarkly and generally with more less clothy than that of the movements columns all themperature.

mmy of the camels are too voune, and all, from being so seldom used, are not in condition to stand bard work. I would therefore enturely abolish the mesont system, and at frontier stations, where traops must be prepared to move at a moment's notice

^{*} In a correspondence with the Quarter Master General

(978)

and suriable transport is not readily procurable, carriage on Punjab Frontier 1 orce system should be maintained

Colonel J A Tytler CB, vc, Command og 4th Goerkhas

I consider that a certain portion of very large garrison should be told off as a moreable column to be ready to more at a maneaus materia, whenever and whenever negative been my regiment in a single

Colonel J Macdenald Seey to Govt of Bombay Midtary Dept

corps station should in the same way have its own carriage ready to

Colonel A. H. Murray Deputy A s stant Adjutant General, Rojal Artillery in India

Yes

The system of morphile columns is better than no system at all, but, as at present organized at is not efficient or satisfactors, and it is

Colonel D Standen Assistant Adjutant General British Bornes

not to be compared with a proper organized system of transport for regimental, departmental, or general purposes An admirable system, I think, if carried out in accordance with the letter of mstructions as to the organization of movemble columns promule ded in G G O No 247, duted 13th March 1861 with especial

reference to the orders relative to each moverble column being order

ed out occusionally for the purpose of exercise in order to enable com manda g officers and others to become personally acquainted with the actual requirements of such columns with the mrangements for their equipments, their corrage and the necessary supplies of all descriptions and to ensure the active and intelligent co operation of all the parties concerned, whethe belonging to regiments of which the columns are composed or to departments, "employed in their equipment and march that in times of trinquility they may become so needs, electroners in the designment and macent man it made of transplanty day may accurate we turbunes, easy one may know has place and electry compacted which he has to do and that contrast and disorder may thereby to evoided. "It asystem would meet undoubled) tend to merce the efficiency of the available force and to render it pe feetly ready at all times for mimediate service. At feminer stations, like those of Flayelings and Tonghoo, in close packingly to more or less mirreally independent State, it would be of great importance to have small compact movemble column, ready in all respects and stall points to move from their saidness at the shortest possible notice

able columns alone an unnecessary expense

I outsnant-Colonel A G T Hogg Deputy Quarter Master General, Deputy Que Bombay Army

Les the system is a good one, as it enables a commander to turn out troops at short notice on occasions of emergency and in ordinary times it is good panetice for the troops to be so turned out

The carriage kept up for moveable columns is available for status work under the commissar at department and for movement of troops m ordinary rehef , other wise I should consider its maintenance for move

L ortenant Colonel H A L title Office at mg Deputy Assistant Quar ter_Moster-Moneral

I consider it very fairly met the requirements of the time when they were metatated 1 at might be advantageously now abolished as I slong ing to a past condition of things except at a few stations removed from the line of rule av and at the front er statious

Major A A. A. Kinled Deputy Ass ets it Quarte Master General

Yes, excellent in theory, but not as at present carried out.

Capta n M J K ng Herman Deputy Ass stant Quarter Master-General Lecatorant Colonel R. Blundell,

2nd Hussare

Undoubtedly the system is good . But it is not properly applied, and consequently very httle good is derived from it If the Government is not prepared to go to the expense of keep of

Lorofeunut-Calenel R S Cleland

up as flucient corrange to move all the teores in a station, I think the motorble column system is the only other alternative. Given only a hmited amount of carriage, I can suggest no better system

9th (Queen a Royal) Loncers Lacuterrat Colonel Lord R D

As far as my experience goes at answers well except the delty in moving, which is caused by the camels being to far away at graze Yes, most decidedly so, as indicating to friend or for rilers of States within or without the cropare a constant watil fulness and state

Kerr Commandu g 10th Hussons

of readmess to act promptly on emergency There can be no doubt the training in peace time must be of advant

L entenant Colonel J C LeQuesne 12th Royal Lancers

age in sérvice During the fourteen years I have served in India, I have never seen a moveable column panaded. Beyond seeing a squadron of the regiment defailed monthly in orders as forming part of the column, the

L entennet Colonel G Luck, Commanding 15th Hussars

officers and men of the 15th Hussar-I now nothing of the system, and probably look on it was myth, or something appertuning to a post-generation for my own p.rt. I happen to be an ire that attem is have consequently been made in Meerat to move the column, but when called for the carriage has not been for theoming

Major J W Choples, 8th Hussies.

I consider the prevent system of moveable columns to be good, perfecularly if some trained non commissioned officers and men were attached to them

Major E A Wood, 10th Husstra

No; I thuse the same amount of earnage might be Lepi, up regmentally with greater bunefit to the service, but the cost would be greater to a certain extent in times of prese and I un not sure that the more thic column is Lept up as eff reactly as it might be The moveable column is mustered once a mental by a field off cer.

It is quite possible and very probable that the field officer in question might be perfectly unaxarie as to the efficient state of the animals paradied for his impection, from briving had no experience in the management of transport or brigging runnals

ment of runsborr or rule

Captain J A S Mackenze, 9th Lancers Colonel J A. Ruddell, 1 2nth Yes, as a handy compact force as always ready to turn out

I es, I think so, but I have had no experience of the working of the system, and regret that I can give no satisfactory replies to questions

L cutesant Colonal T. Rowland, Commanding 1 5th Fusifers Locationant Colonal M. MacGre gor 1 18th (The Royal Irish.) o 6

Yes, they keen up a smally of carriage for any sudden emergency

Yes, if the orders regarding them are curried out, and if the troops serving near them are practised in assembling at grien points within a stated time

Legiserup Colonel G F Walker, Commanding I 12th Foot.

I cannot speak from personal experience of the moveable column system. During the two years the regiment was statemed in Umbolly, a small force left the statuou as a moveable column, and I am informed that on that occasion there was no difficulty in the myther of carriage

Lentenent-Colonel D Warren Commanding 2 14th (Prince of Wales Own) Regiment. Most excellent, as, in addition to giving facility for moving small columns to their tuned points, it can authorit extin expense be made the means of important glue necessary materials as to all grades, no agranged small expeditions, issuing context orders, moving in groups formation, in fact working out problems in more further. Enterly leving more important status combinations to be deally with at the large compared excesses.

L cuterant-Colonel J S. Hand Commanding 44th Regiment. L sutemant Colonel J W Hughes, 54th Regiment. Yes, if properly organized and conducted

Leantenant-Colonel C B Knoples, Commending 67th RepI think it essential that at certain points in force should be held in readiness to move at the shortest notice, and I cannot suggest any improvement on the present movemble column

Yes, if the system is properly worked. I consider a column should assemble for three days' exercise at least once a quarter.

Prest day - March out of station to a distance not less than eight.

miles, patch cump Troops to be practised in outpost duty
Second day —Attack of a village or a position. The three arms to be employed.

Third day — March back to state Column to halt, sook, and est one meal half-way

Officer commanding to send in a report detailing shortcomings in

commissariat and transport arrangements, or suggesting improvements.

Let I think it good, but they might be oftener exercised.

Lecutemani-Colonel O H Father, Orad H gislanders Mayor F Stephen, 4th Battolion Rule Brigade

Certainly not

Mayor Hogh P Pearson, 12th Post Yes, a most adminable one. But their operations should not be confined, as at present, to the limit of these or four days, nor for ground within ten to differen miles of cantonnesses, which follows on the first condition. I have seen the more able column at Moore working for three

The centre of the relation to the section of the relationship of the relation to account wound not made to the relation to the relation to the relation to the relation to the relation to the relation to the working of there, and to the illustration of the manuscus value of army signaling as ut and my wartiers

On every occasion both officers and men took the Leenest interest in the operations, and all regretted their close

I cannot specific too highly of the system when properly carried out, as I have always seen it.

I may here remark that an imaginary or skeleton enemy creates no interest. Troops must have

other troops opposed to them

Where continuents are within a distance which will admit of is, their moreoble columns should
manusive against each other, within extend defined lateral hants, for at least three days, exclusive of
the time required to have them, an assessment of the continuence of th

the time required to bring them in presence of each other Advinges might be taken of the much of regiments through cantonments in relief to form small

Anterings mages or many as a more a separate control and a control them consumes to many and a control than a control them consumes to many and the consumers. All that is noted that the control

(980)

All cooks should be left behind on such occasions and all other followers as far as noss the Great the sold er cooking utensits and let here! ild field ovens a d cook to him elf

Cut do an baggage to a m mum lott of office a and men The Cabul scale allows ample

This is the opportunity for early one struct despite amongst the followers at a definition of the compound of

These up b t z fev s ggestions. I end t get at anoth tend to made these amount exercises more practical to assumilate them conditions a the three of actual variance could not fall to be beneficed. to all concerned.

Major J D Deson Laures 34th Re_ mont

The carriage of moveable col mins camels a fl which I have I cen requirented I as been kept at a reduced cost to Go emment act in profitable use but out at graze When required the aumils have been unity Tie officers and men lines nothing of the important leases of preling biggage and leading the minials

Marr G K Slaw 68th Leht Tolun

I I we never been able to see the use of moverble column If an onth end sho ld occur eq ring and tray suppress on troops rould be sent out as the occasion required independent of the fact of the ricking my to the me cable column o not und t anspert would be more of

Mac W H J Clube ?"ad Hugh anders

I do consider the system of moverble columns a good one that if they are projetly for nod comesting of all three branches of the service. hen possible and frequently worked together by being stated to come a the waster months

ald also send orders to diffe out stat one to march the r none able columns on to a cultum town or thee. All the different columns to ar mely a fixe I date and I out at the place fixed upon I should say this yo ld be ye y gool preside

Mator G S Wh e S ad H . 2 la dera

Good a here the sudden despatch of toops is I lely to be require In none stat one out of ten ho one the system appears to have lost to iah are

I have no doubt that moveable columns lake all reserves are an ab solute necess to and more so not than ever as the necessing prosperity

C pt H M L Hutch so 1 14th (Prince of Wale Com) Reg on mi-Col C R O Frans Condg Royal A tel e y Meerut D range

Certa ally af properly utalized for anstruct on &co A tolerably useful one at a minimum of expense

Legienari Colo el I Keichen Revs Art 1 rs M per Be to Hobert HA W1 ary S or tary to the Governor of

Yes af the system were really car ed out

or the country in greather and tade menesses the diff elly of the in up trung ob. However, the tables where a november of the in-ordered to be left up to the first one of course of the tables. The course of the ordered and o er taking part in any exerces of it with stores a pale &c pael od for exe case An admi able evision of care of out with therewal est

Haper H C Level Coming Major B T Hume Coundy C C

Yes I do

I do not consider it to be a good one for all conti gences but I

Majo W W M doch Com ma d ng DAR H A Major T M Hat lengt Command og E-Sed Royal Art Lety

have nover seen at track a pract co Yes as far as I understand it

Majo th Hondle A Stewn t, Command gICRUA

No because eve 3 brigade stould be a movemble bigrde in Inda

Major C. E. \a ene Royal House Art lie 1

No at does not see re a suffe ney of transport nor can at it got togetler quiel enough to these 1 1 d times

Mayor P J' to G Calmey Jeyal

I consider the p sent system requires modification non-flation momentum as so well, may roved and I odd wholst all more ble columns except with either may are non-Act. Western Front of (con field currage)

G value Allal abad (for Bundell, und) Ansurabad Mov

N gpur (Kumptee) See idershad

Poona As.am S wh carringe to be kept as is suitable Borma

Lieu enant F C Wace MA. No 4 (II z.m) Wout n Ro e Pu jab l onler Rocce

Yes bt I il Lilatilere should be some efter statem of nak ing il a troops form ig il it column real ze il e f. et il at for the t no being they do belo giouno alle col manal as each should hold themsel es a read ness to mo e at a moment a rot ce

Colonel O Wilkinson 2nd Bengul

Colonel Hugh Gough, Command ant 12th Bengal Cavairy

Brigadier General C 7 Golby, Comig: Pumps Frontier Force Colonel J Blar vo Com manding let Bomboy Lamers Losatemant-Colonel C LaTonche

Commandant Pours Horse

The movemble column answers in the plants, but for general service I think regimental transport would be more efficient

In the absence of a regular transport organization, moveable columns are good, invenued as they samply a proportion of carriage on emergency at a fairly short notice

Most certainly a very good system

Yes. I do, if it were only used a little more frequently

In so far as that in a country lile India a force of a certain fixed strength should always be able to start at a moment's notice in any direction on a sudden emergency, I that the system is a good one, and essential to the unlitary requirements of our position. Whether the details which form the component portions of such a system are capable of suprovement is another question. In my opinion, moveable columns should only be quartered in central and important positions, due regard being had to the rulway system of the country Lach Native caralry regiment should have its own bugginge arrangements, and there should be an organized transport service to arrange for the infinitry and departmental requirements

Lent Col J R. P. Malcolment, Commanding 3rd Suid Horse.

Major A P Palmer 8th Bengal Colonel J Doran Communiting 27th Punjab Nobice Infinity

Colonel H S Obbard Com-mendant (1st Bengal Native Infan

Colonel I' Dandr dge Command one 40th Not ve Infantsy

Colonel G W Preser S9th Native Infantry

L taimant Colonel H Worsloy Con mendang 7th Native Infantry

L enterant Colonel B J Watter Occumanding 17th heats a Info toy Lacutement-Colonel R. G. Pogers 20th Punjab Native Lifantry

Licetenant-Celebel F B Norman Commanding 24th Turjab Native

Locatement Colo of H St G To ther flist Antice Infantry his S per nicedent Transport Lean, flist hat he infantry

Wajer Sir B P Brombetel Bart.

Yes , if they were so in organization as well as in name !

Improvements me suggested in answer to question 13

I have very rarely seen them put to any practical use

Yes, I do I think it of viril importance that a esitain portion of the faceps at every station should be able to turn out any minute, and move tapidly in any direction for several consecutive days

Yes at worked us it was intended that it should be Until recently, the masketry course took up the greater part of the cold serson This cross, combined with the pracity of troops available for manusuring, and the small area of uncultivated ground over which troops might pass, has prevented in a great measure the working of the different columns Yes, if properly and efficiently kept up, and the orders on the subject

land down in the Bengal Army Regulations be fully carried out But if a considerable portion of the moverble column carriage, such as

Rewrite camels, are at graze to the district, 20 50, and even more miles away, they would be unable to be recalled in time in a case of anddon emergency, and moved in event the morable column nould be macheally ' mmoveable ' No! It is ill adopted to the necessities of the present day Improved communications have sendered nunccessory a system devised when every station was as it were the centre of a zone of operations

No , it myamably fails

Yes under the system a certain amount of carriage is maintained in a state of efficiency at all strategical points. The amount of carriage kept up is, however, on too small a scale

It originally conserved the purpose for which it was required, but since the introduction of the railway in India the moveable column has been much reduced, and I doubt very much whether at cinionments where the railway is contiguous enough carriage is kept up to move all the regiments at a short notice

No, I do not Its cost alone should be sufficient to condomn it I would substitute for it a system of seg tiental tra isport, the advantages of which would, I believe, far outweigh those of movemble columns

lst, amerior economy, for carrings would only be hired when actually wanted. The roat of keeping up these moveable columns all the year round must be immense

2ndly, recreased efficiency, in two ways (a) It would be working on a small scale in time of peace, exactly as in time of war it would have to be done on a large scale, and thus not only would it accustom cavil officers and their subordinates and the people of their districts (the owners of the contained to the return of the demends that may at any time be made upon them, but it also would give regunated officers in time of peace valuable experience in the word upon them, but it also would give regunated officers in time of peace valuable experience in the wording of transport arrange ments, which otherwise they could hardly obtain. And (6) it is a system capable of indefinite expursion, for, with timely noises, the evel authorities our called a large amount of curinge as cardly as a small one. The chief objection, which opponents of this system could urge against it is that if as a smith three large court out where the proposition is not extend to the unit of the court of munication with the chief civil offices of the distinct (see question and answer 15) who would always Leon him thoroughly well informed of his resources in the way of carriage and it would I believe, be always forthcoming when wanted However, in some instruces, it might be pradent not to interfere with existing unangements and in a few evers I would not advocate a change. For example the Punjab Frontier Porce always Leeps up its own carriage ready for instant use and it should continue to do so, and where mules and clept anis now form put of the movemble columns, they should be retained, for they are anomals sometimes specially necessary, but not always craity obtained

Major A. C. W. Crookshank, Com manding 3oud P oncers

No I do not It was suggested by the want of empage felt dunar the motory I do not thank it fulfils its raison d elre because-

Let -We have adopted an umy organization and other urangements which should prevent a second army mutmy

2nd -- Communication by rail is so extended, that troops can be

expeditionally moved from one prut of the country to mother

Sad -- We have now recepted the fact that troops can be moved on service with a mere tithe of the transport formerly needed

4th -Because they are not immediately ready for service

5th - Because the system engenders a false security and a false mobility. Given that carrigo on the commence one spaces are ground to the total to make a first the month of the commence o he wants, and they should be ready to start as soon as the carriage reaches them

Major F F Rowcroft 6th Goorkhas A very good system indeed, if properly carried out

Colonel H Bostcagon Command Yes ing 4th 5 Lbs

Louisment Colonel F T Base bridge 4th Sikhe

I have never had any experience of any where the carriago is depend ent on the commissariat As for as the regiments on the frontier are concerned where carriage is Lept up regimentally, sufficient to more out a regiment in the lightest marching order for an expedition of three or four days at works well

As far as I know yes, it really and properly worked Major & G Ross 1st Sikhs

Colonel W A G b Communication of 2 oth Madens Nat we Infantry

Undoubtedly they must do good , but they can only be used in a very limited manner as regards the whole army, or the expense would

Colonel S Ed rurles Command and 2nd Bomb ; Aut to Infantry

Les, if properly organized and maintained, not as it at present exists

Colonel W Basnerman, 4th Hom

I consider the system to be a good one

by R fles Colonel H H James Command ng 10th Bombry Native Infantry

Yes under the present rules for transport but I should much profer to see regiments always ready with their own carriage

Colonel I Fartbrotler Comman l ng 22nd Bombay A tre Infantry

I thank not, unless separated from the commissariat and under its Rets awo

Colonel J I Willes Comm scare General Bergal

No-a simple waste of money

Colonel R A Mos e Acting Commissory General Vadras

Moverble columns, so called were introduced in 1860, but, is far as I know, they have seldom or never been murched out or exercised The year for the first time they have been ordered to be proaded monthly. The most while column appears to me to be room a page arrangement that anything else. Before the moteched columns were infroduced, the cattle were kept up and were available for the use of the contraction of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the cattle were kept up and were available for the use of the troops just as much as they are now And it is doubtful whether en a real emergency tusing, the forcesent to quell a disturbance would be the exact strength and composition of the moverble column It is are not, no advantage to aid to derived from the more il column arrangement. The whole of the camels it a station where there is more the column are allotted to it. And as matter camels elegants. nor males are procurable in this pres dency, the cas ditties which occur cannot be replaced for a considerable time and the transport of the more the column is consequently relicus complete. Mercorer, the best time for exercising the more thic column is the cold season. But just then the ordinary rel efs are tal ing place, and all the cancel &c defuled to proceed with the troops marching, and the moverble column is thus broken up

Leutenaut-Colonel U. W. Willoughby Acting Commissory General Bumbay Moreathe columns were established as a political necessity, and carrage has for many years been kept up to enable them to move out with the rherders should be to represe disturbances & Whitest the political necessity still crasts I enunck say. If it does not it seems that some portion of the field column currage is frittered away it statious where these is hifle or no see for it as transport and where the strongth mantamed is too small to seeve my useful propers in moving out the troops and the ecountry for excesse or monovers, with that it, would be better to concentrate this energies of the large military stations. The field column carrage has certainly been found very useful in moving tractions from the colors of the field column carrage has certainly been found very useful in moving tracts of the field column carrage has certainly been found very useful in moving tracts of forms it would be made to the state of the second

Colonel T H S bley Deputy Commissary General Bengal Moveable columns are doubtless very valuable, but they are very expensive

Colonel M J Brander Official ing Deputy Commissary General Calculta Yes, they answer the required object which is to be able to move a certain portion of the troops at a station at a very short notice

Colonel J Keer Deputy Com m yeary-General Lower Guele Bengul, Yes, the causage maintained is generally speachly avuilable on any sudden one geney. Without a moveable column, the delay in procuring carriage, even for a small body of troops, would probably be very great.

Cd G S Vachean Depy Comy Ge I late a Cont. charge of the Klyber and Kuran Fortes L estemat Colonel J V Hunt Deputy Assituat Commissary General Engal. Moveable columns are kept up at stations for political reasons and if they are necessary, the carriage to move them must also be kept

...

The system of moveable columns as regards the communicated of merely the retenter of a certain amount of carriege at the disperal of the military authorities. It is of our se necessity to keep up a certain amount of carriage and I consider the plan of familiarizing differer and men with the use of it to be good.

Major W Luckhardt, Deputy Assistant Communary Consent Umballa

The field column currange which is kept up in the Bombey presidency for movesthe columns has been gradually so reduced, that it can hardly be said to east. If e.g. cate expansion of indivery lines in India has moduled our position to a considerable extent and I can of common that there is no longer, the same necessity we before of keeping up a large transport for the numerates movement of theorys

Cupia n. T. F. Hebday Deputy Austriant Comm surry General Kundahar The system of moveable columns would be of great value when it is necessary to put a small force into the field on short notice

The amount of carrage so kept up as it present too small to be of much vales when a large face tall es the field but it is of large value strategically to be able to put a force into the field at once on a frontier where an enemy now be expected to appear at any time

J H B Haller Esq General Supernstandent Hacse Breeding Operations I thuk all columns on the frontier, and one column in every division of the army, should be moreable

4 What is the average time in which the moneable columns with which you are acquainted can be got ready to move from their stations?

Leest Goal C. T Chambe lynes is late Cotady, Codh Division

In all stations in Oudh in from 24 to 36 hours, and I believe this 19 about the average tame in all commands

Loutenant-General W T Hughes, on Commanding Su hard Division

The troops composing the moveable columns at Umballa and Juliundar could particle equipped for service in a few lours. The cottle required to move those thoops could not be supplied by the commissanat in less tirm three days.

L cuterant-General J Porbes Command up Albort Division

Twenty four hours from each station

Major General A. W. Macin time c.n. Commanding Hyder abad Subadiany Force Twenty four hours, in iddation to time required to cell in citile kept in the distinct. It is necessary to keep chip and a nol little distill at a definer of from 50 to 50 miles from Southford of on count of grazing and foregy which are not procuable in the immediate neighborhood. They could be realised in three days. During the time occupied in resulting them other arrangements would be in course of pre-paratice.

Major-General R C Bright Command up Meerut Davision.

Provided the commission officer receives any bint of the carriage being required in 24 hours, or three days after the first intimation

(986)

Lieutenant-Colonel I Ketchen, Royal Artillery

I have been sequented with only one moverble column and when it an anothred ont, there we great delay in braging the camels forward Indeed the troops prouded their bogging all reviet to be preced in the camels but as no camels arrayed, they had to be sent back to burnels again, and had to parand the following morning. The secrey of the expectation was thus knocked on the head. All thus courted villeage, the control of the camels are the camels were likely to be writted for some 10 days before I (to the commissions).

From the above it will be seen that I am unable to say mything about the average time in which moveable columns can be got ready to move from their statons

Major Bertie Hoba t R & Mily Stey to the Gove of Madras

Vide misuor 8.

Mujor W W Murdoch Commanding D A Royal Horse Arty

I cannot say in what time they could be got ready I have never I hown a moveable column to be got ready

Major T M Harelings Commanding E 3rd Royal Artiflery

Major the Hon'ble A Stewart,
Commanding I C Royal Hores

Campbellpore would take from IS to 24 hours

Major C E Nurus Royal

Artillery

I have no experience in this, and no opportunity of ascertaining bit from my answer to No 5 it will be seen that it is improbable that it could be done with any great rapidity

House Artillery

Mujor F PrizG Gallwey Regal

Artillery

My knowledge is limited, but I think from 4 to 6 days

Colonel O Walkinson 2nd

I have so seldom seen these columns exercised, that my experience us limited, but it tool four to seven days to collect the carriage necessary on the only occasions I can remember

Bengal Cavalry

Colonel Hagh Gough Commandant 12th Bengal Cavalry

I cannot say for certain as eithe might be growing for or near according to the nature of the country

Those three to four days *e.for a column of any strength. a shorter

B sgudier General C J Godby Commandin g Punjab Frontier Ponts period probably for one of two regiments.

There are no moverable columns on the frontier. Every infinity regiment his sufficient carrier periodically 1 of the to condide a wing at least of a regiment to move in high translang order. Regiment from configuous extanous are convented by longity into cump regular

for execuse, and are at all times able to move from their stations within two homes of receipt of orders, unless the camels are out grazing in the district.

In this case they can generally be brought in in about twelve home.

Colonel J. Blar, v.c. Com manding 1st Bembes Luncers As far as the carriage and troops are concerned I am sure it could be read; in a day the moving of it out of the station would depend on

Lacatement Colonel C La Touche Commandant Possa Horse the commissatian supplies

As my regiment does not form a portion of any moveable column I am unable to reply to this question

Law tenank-Colonel J H P Malcolmson Commanding 2rd Sind Horse

The Stad Moster Nece which very be looked on as a normal source of the form of the individual regiments are concerned, not on a few hours, but from no Government earnings being leafs up, and a surangement easting for the collection of the same three voids be greated deal of few, in getting interprat to the commontor trium; and stone which must necessarily recompany them. The Petin more while them which I now commands, in the complete, and the

estrage is weak and deficient

I have no knowledge of any others

Major A. P. Palmer 6th Bengal Carelry The commissional, I believe, make an agreement with contractors, whereby the latter can claim to have three days notice before collecting moveable column carriage at stations

Colonel J. Doran. Communding 27th Punjab Antive Infantry Without my previous notice or infilmation whatever, I should say from the to three days

Colonel H S Obbard Com mandant dist Bengal Infantry At More the great bulk of the crum's are about 16 miles from the street of the elephants are leg in the about, everyf for for mostle in the 2 or when he are the first of the first of the crum's are leg in the about of the crum's are about the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the crum's are the states. Much the same would occur at all status where it is public crum's are the crum's are

During the cold season the moveable column carriage is largely used for troops moving in rehef

At Morar the supply of rumnum ton for the Native thoops is so short—20 rounds in pench and 30 in the interest of British regiments—that a dight to the fort for additional supply might prove a first precessive.

Colonel E Dandrolge Com manding 40th Native Infantry As the movesible columns at the datons where I have been quartered have not moved out, I cannot say. The length of time would depend entirely upon the datance (which can be ascertamed) from cantinuments of the graming grounds.

Colonel G W France, 29th Estero Infantry I believe two days is the average time in which the moreible columns with which I have been requainted at Peshawar, Perozepore, and the Gwiber district were supposed to be able to move from their statuses.

Loui Col R. J Willer Com mandant 17th Native Infents As soon as the caringo can be provided Should no previous warming have been given to the enumissical, many of the cattle would be grazing in the district, and it would take 24 hours to collect them, otherwise 8 or 10 bears would be sufficient

I wat Colonel R G Regert, 20th (Panjah) N I

Two or three days at least

L enterant Colonel F B
Norman Colones iding 24th Pun
jab Native Infantry

Lautement Colonel H St. G.

I cannot say At some statems the camels have to go a very long distance to grace. This is a difficulty which would have to be faced by any description of transport trum, and has nothing to do with the moreable column system.

Leutenant Colonel H St. G Tucker dist Native Infanty hito Superinfendent Transpost Trans, dist Vativo Infanty Mayor A. O. W. Crockshank, Cammanding Sind Propess I cannot give a decided answer to this question but I believe when the movemble column is not fill by to be required all the carriage is sentmay to some distince to graze so that on in emergency it would generally take about a week to collect the carriage together

This depends upon—

(a) The amount of Government eattle present in the station, in which case a few bours would suffice

(6) How many are wells reguments on the march, these, if not temporarily replaced, would not be vaniable at all (c) At what dashace the camele are out at graze, supposed to be within a dry or two's call, but it may be anything, and indeed the

eamels may only exist on muster days

On muster days moveable columns could turn out in a few hours,
but ordinantly I should say, if they wanted for all the entringe they are

Major F F Rowerost, 4th

supposed to have, then in two or three days' time.

The only movemble column with a shed I have had any expensions was the Bohleund district one at Bruelly, when Brigader General Holda's commanded the district one at 1853 64. As it as I can recollect treety from home was more than sufficient for the movemble column to get rendy and move off

Colonel H Bourngon Commendum 4th beliefs

I have never been attached to any. My regiment has frequently and always been able to start from its station for active service, or any other purpose, me couple of hours after being ordered

Lie tenant Colonel J J Bos well Command up 2nd Salabs In Panjab fioutier regiments, where permanent cittle establishments and lept up, a regiment could match in a couple of house at the food for three days. Any daky after thus would be caused as bringing camels in from gaves, which sometimes is not in the immediate around of the staffer.

Leentenant-Colonel P T Bass bridge 4th Sikhs

I have seen the garrison at Kabri (I evvelor, 3 minuty, 1 hild bettery, and I monthly history) get redety to start with 40 mammation &c., panel at my hom. This was at night, when all the temporary or a the statum. During the day time when the cannot are vary graving, it would tile some three or from hours more. At Derr I count Xivin, when the camels we lept out up you a few miles off, it would that from face to so, hours to get red by to much cut.

Major A G Poss let Sikhs

During 11 years I have been but twice in stations with moveable columns and I crumof susues fully Officers and men would under stand constitution and duties and be organized for move the columns very sharp, once they formed parts of one.

Colonel S 1 dwarden Com n midnig 2nd Bombry sentive Infantry

The small amount of cannage Lept up at various stations is almais ready to more but it was organized as the timesport of imoreable column should be, nor exercised sufficiently often to test the average time of moving or its capabilities while out.

Colonel \ Bannarman 4th Bunhay R flex

Twenty-four hours

Colonel H H James, Com andag 10th Bombay Act to

Colonel J Farhather Commanding 22nd Bombay N I

Colonel J I Wiles Communication General Bengal

L cut. Col R A Moore Acting Commissary General Madras L entenant Colorel M W W llough by Act ng Comm ssary General Bombay

Colonel T H Schler Deputy Comm senty General Bengul

Colonel M. J. Brander Officent ing Deputy Commi sary General Calcutta

Colonel J Keer Deputy Com mi sa y General Lover C ele Bengal

Colonel G S Machean Deputy Commas 15 Gener 1 life in Com m sear at charge of the Kayber and Lumm Forces

Colonel G. J. Daleymple Hay Danmmer of Commessies &c counts Bengal

L entenent Colonel J V Hunt, Dept ty Assistant Commissary G neral He cal Major V. A. Ro claudeon Ex

aminer Comt Acct , Bomby Major W Luci hards Deputy Ass stant Commissary General Umballa

Cupta n T F Hobâny Dep ty Assistant Commuseum General

Kandal ar

J H B Hallen E q General Super utendent House Breeding Operations

About 24 hours for a small force, say 2 guns 2 companies Puropeu infunity, 3 companies Native infunity, and cavalry as required the latter supplying them own carriage. If the cattle happened to be all present in cantinament, 3 m 4 hours might be saved

I have never seen it tired

The columns equipped with such carriage as is lept up in two of three days according to the distance the animals are at gree vide pringraph 2330, Bengal Army Regulations

There is no record in the Commissivy General's office of the time in which the carriage allotted to the moreable columns can be got ready to move from their stations but assuming that the field column carrier animals are on the spot in the station, a few hours should be sufficient as far as the commissariat department is concerned. The seven days introns for Europeans and two days for Natives and horses are not keep packed and ready for numedrate issue, and it would take a few hours to bag them and get them in order to start

Moreable columns could generally move within 48 hours except in the mans, when camels are sent out to greater distances to graze

In 43 hours, this generally being the extreme himit of distance to which camels are illowed to go to grize As camels fo m for the most part the transport of all moreable columns, this is ordinarily the only cause of delay in the column being ready for a start at an hour a notice

In from two to four days I should mention that in the cold season a large portion of the moverble column carriage and establishments are employed with troops marching on relief, and this is a saving to the State

I should think three hours sufficient from the runs of the orier to the march of the troops, if the cuttle nero in the station. But for eco-nom, the camels are allowed to go to graze, the claphants to bring in their fodder the bearers may be on several duties and want collecting Proctically, from what I have seen, the commissaint officer is warned to have the engage in the lines, and then, on the order to move fel lowing, I have known a moveable column start under six hours

This office is unable to state the average time in which movemble columns can be got ready to move from their stations Under paragraph 2327 of the Bengal Army Regulations moveable columns are required to be kept in read ness for immediate movements," and pringraph 2330 and G O No 315 of 1871 require that movemble column cuttle when sent out of station to graze, must be within two or three days call

From two to three days according to distance of camel and elephant grazing grounds from cantonments

I believe under a week. The cattle are not allowed to be more than three days distance from their stations

The moveable column for which carriage is lept up is so small, that I am of opinion that the necessary time to bring in the camels from grazing—as twenty bours—is all that is required to got it read;

The cattle kept up for moveable columns are allowed to go short nl eilheg flem distances from their stations for genzing pulposes in from this grizing ground sometimes occasions a delay of one 21 to J6 hours If however amovement is expected, the general off our would have the critic brought into the station and full there herly for mane drite netion. No delay would then occur in the starting of the column

This depends upon the time occupied by civil officer, in collecting carriage Again, this will depend upon the amount of carriage available

5 Do officers and men know the constitution and possible duties of the moveable column, and are they so organized as to be ready to take then places in it?

I ent ment GeneralC T Clam

There is no complication of any Lind Certain troops of all arms are bed in cast, Lie Commanding diffulled in brigade ar station order to be 11 readings to more at 2 Ordin Day 1902 mament's notice If the carriage is called in and allotted the troops rendezs o is as ordered, and more in the direction indicated without delay or confusion

The officer placed in command exercises his judgment about arrange-

Licuterruit-General W T Hoghes c n., Communicate Sir h nd D vision The constitution of these moreable columns is notified monthly in claims widers. The offers are self-diriled, and are certainly ready for bold service, and to tale their placer in the column. Disquest exercises, as recommended by answer 7, would be of benefit to both officers and men.

Laujonant-General J Torbes Commanding Mhow Division Major-General A W Masent re on Commanding Hyderabad All commissionat commissioned officers, warrant officers, and subordinates do

Subsidiary Perce.

Major General R O Bright,
on Commanding Mearnt Driv

Composition and details of moveable columns are published periodically in division orders for guidance of all concerned, and officers and men have done their duty satisfacture.

Major General H R. Browne, Commanding Sauger District. Recry officer and man detailed for moveable column is duly warmed for the duty, and is alwa) a ready at any moment to turn out for any service it may be required

The usual system is, at stations where moveable columns are maintained, to defaul the serve il detachments composing the column in station orders, and to name the officer who is to command

Tresh details are as need periodically, generally I think about every three months

I have endeavoured in this district to give the column a more per-

The conservation in this control prevention above genmental organization, but the changes of regimental officers are so frequent, from various carees and so few are oddinarly available, that they do not exquire much knowledge of this service.

The recentile columns find for this division are of insignificant

Major General J W Schnesder e n Communing Northern Division, Bombay Army

attength and no special orders have been assued by the general officer communing regarding them. Communing officers of brigades and stations know their constitution, and could not on the moment

Bright or General G. Burrows Quarter Mester General, Bembuy

On a recent occasion the whole of the field columns in this presidency were ordered by telegraph to march out the following motings, and, with the exemption of one or two mustakes, the order was satisfactority earned out

Be god er Goneral F. G. Komp ater Communidate Coded Districts The tances are reted off once a quater under the command of one of the senior officers and are quito ready to take their places at a moment's notice

Brigsder-Goneral T J Murray on Moultan Brigada Colonel J A Tyther on, we Commonding 4th Ground as Such has not been my experience, but the reverse

Golovel J Macdonald Secretary to Government, Bembay Milliary Department No I am afraid that they do not Nor do I thank that they are so organized.

This question has I assume, inference to officers and men of a regulity organized charport service. As such does not exist, the presented when formed would have to caquire a knowledge of their presented when formed would have to caquire a knowledge of the

Colonel A. H. Murray Deputy Adjutant-General Royal Artillery in India Officers do not I now the composition of the moreable column, except from the brigade orders notifying that such and such troops composed it. They have no places in it, except their ordinary regimental restloses.

I do not think they me sufficiently practised. To seed out the toops forming the moveable column occasionally for a few days into the country, to excesse them white out A and to the their opportunity of their return for excressing the troops left betted in opposing them, and offer minimizers, would in my opinion and much to their efficiency, as also tend to the improvement and instruction in their defices of all to

L'entenant-Colonel A. G. T. Hogg Devatty Quarter Muster General, hombay Laentenant-Colonel R. A. Luttle

Yes, as a rule, efficers and men understand the object of the moveable columns, and are ready to move with it at short notice

Livily well, considering how hitle practical experience they have of

Offic at og Deputy Assastant Quar ter Muster General Myser A. A. Kushech Daputy Assastant Quarter Master-General

moteoble columns

As a rule, I think only m a very general way. As far as I know, there is little or no organization as regards most moverable columns.

Captus M. J. King Hurana Deputy Assistant Quarter Muster

This entirely depends upon the general commanding and his staff. In core few stations do either officers or men know or care anything about the movemble column

Lacutenant-Colonel & Blum dell Srd Husans

I don't think they know anything about the moreable columns, and they are not so organized us to be ready to take their places in it The commissaint officer bere tells me that his subordinates and promoment followers do know them duties with it. The list time the more able column as out here was in December last, and the officers who had duties with the everage were a vagued them in the previous might a when

Liontenant-Colonel R & Claland, 9th Lunces

Yes, they do Two squadrons of the regument are detailed named is for that duty and me durys ready to turn out The constituent parts of a moverble column are published in bagalo

Lieutenant Colonel Lo d P W Kerr Commanding 19th Hussats

orders its possible duties we assumed to be the suppression of disturb ences in the neighbourhood of the military district from which the column is detailed

The places of officers and men would be determined by the crozn stances of the case and the decision of the officer in command

Lacotenant Colonel J C Le Quesne 12th Loyal Lancers Latatenant-Colonel G Lock

One squadron made up at the cost of the other inc, is ready and experienced

Commondue, Joth Huanes Major J W Chaples 8th Hustars

As the officers and men in my regiment have only recently armed in Indra, I channot say that they know the constitution and possible duties of a moverble column

Myer E A Wood 10th Hussans

No how em they? Unless they all both officers and men have an induced all uterest in the came during the times they are not actually using them for then own benefit

Copius J A S Mackentre 9th Lanears

Y's they (bik Lancers) are an use of the constitution and dutus of the moreable column, and are unstructed so as to take their places in it whea called upon

Listitusest Colonel T Rest land Con manding 15th Feat

In some stations I have seen the troops that are to form the moveable cole no told off so orders. I never saw anything as to dates, though it is generally understood that they are required to be ready to more at a moment's notice Bujond this there is not any organic methe

L enterent Colonel M MasGre gor I 18th (The Royal Inch) Tre itenant Octonel & F Walker Communiting 1 12th

No. There is no moveable column at the station where my battalien as grantered As far as my expenence goes in this matter I am not aware that

Rook Lieut Col D Warren Coming § 14th (Prince of Wales O v) may stops have as jet been talen to tender officers and men any winted with the possible duties of a movembre column No not sufferently

Fide answer 3

Regiment. I entenant-Colonel J & Mand Commanding 45th Regiment

There are no moverble columns in Theyelman II there were. Ancre nee no more one con must in large may of it there were should hold myself required that the officers of my legiment if forming a pixt) liner the constitution. Vo of the column, and our reads to take their places in it at a moment's notice

L entenant-Colonel Hughes Sith Resimont

I think so, and never raw any confusion when the column was moved out

Lacatemant Colonel C Knowles Communiting Orth

I have never been defathed for duly with a station flying colors in other evolutional is a to at budgette ser a la configure actual am aware that the Bargalore column consuled of cavalry at lary and unfamily (British and A is c) but as for the four ble dutes of saids column I never sun or board of an order on the subject, and I know nothing all stever about them

Lightens t-Colemet G Parker 92nd Highlanders Major P Stejles 4th Pat taken Rillo Brysile. I пиндине го les

I thank not Beyond being notified in district or station orders that it exists, no steps upper to be taken to ensure any preprintion being made for a move of required

Mayor P S Terry 1 25th K go On a Beedere s.

I do not thank either officers or men are usually taught their duties in the moveable column A mouthly detral of the troops detract for the column is as all green out in grains of orders, and their the matter menally ends so fat as

Major Hugh P Peusen 12th

шу ехрепелен дося The constitution of the moverble column appears monthly in orders (station), and the positions of corps to form part of its re-detailed in regimental orders. Both officers and men unst therefore he well mformed on the joint rived by the first portion of the question

Where such columns are worked as they were at Morar, their possible duties must of necessity be known to all

Major J H Campbell, 33rd They have been organized.

Regiment. Major G K. Shaw, 63th Light Infantry

The troops composing the column are named in orders once a month, and no more is thought about it.

Major W. H. J. Clarke, 72nd Highlanders

In my opinion officers and men do not know the constitution and possible duties of the moverble column, and they are not organized as to be ready to take their places in it. This is caused by their never having chance of learning

Major G S White, 92nd High Cupin H M L Hatchevan 1 Lith (Prance of Wales Own)

The detail of the moveable column is generally given from month to month m the order book, and officers and men ought to be ready to play their respective parts

Regiment. Captern B H Paweett, 33rd Post.

Officers as a rule do not know much about the constitution of, neither are they ready to take their places m, a moveable column

Col C R O Evans Commanding Royal Artillery Meanut Divin Legatemint-Colonel I Ketchen, They ought to be

I think so, as a general rule

Royal Artillary Mayor Berise Hobert DA, Mil tary Secretary to His Grace the Governor of Madres I think so, certainly. Fide answer 3.

Major E T Home Command ing C-L Royal Horse Artillety

Yes, they are always published in orders

Major W H Mardoch, Com-manding B A Royal Horse Artillory Major T M Hazelegg Com mending H 3rd Royal Artillary

They I now the constitution of the moveable column, but I should my are imperfectly acquainted with the duties or their places in it

Major the Hea'ble A Stawart, Command og I C Royal Horse Artillery

from graing Certainly not in the moveable column to which my batter belongs There are no orders that I know of, or can accertain, and if currage is available, I suppose it is in charge of commissariat. But as an officer communiting a battery of a move-thic column, I do not con-sider myself repossible, under existing regulations, for its carriage, which is of course a vital defect in the efficiency of my buttery, which itself is fit to move at a moment's notice but without carriage for tents or baggage, and without supplies as far as I know

There is only one battery in Campbellpere A portion are told off as movemble column, and could move as soon as carrings (camele) come to

Major C F Natrue, Royal Horse Artillery

As a rule, no instruction on these matters is imported, and very little is known about them But as a certain portion of each garrison is told off to the moveable

Major P Fitz G Gallwey Royal Artillery

eclumn mouthly, that portion is ready to take its place at once From my experience they do not Lattle is known in garrisons about these columns, except to the staff (perhaps), and there is no organ-

Colonel O Wilkinson 2nd Bengal Cavaley

imition as far as I am aware In my experience officers were very rarely practised with moveable columns

Colonel Hugh Gough, 12th Bougal Cavalry Colonel J. Blass ye. Com mandang 1st Bombsy Lancers There is no regular organization whatever that I am aware of I am quite sure they do not, for the transport is generally employed

Lecatement Colonel C La Touche, Cummandant Paous Horso

on other duties, so officers and men get no opportunity As regards my own regiment, officers and men are always really to start at a moment's notice. The men, with laggage complete, could start within an hour of the party being told off

Lieutenant Colonel J H P Nakolinson, Commanding Srd Sand Horse

I think not, and moreover, as I said before, the column is not thereagily organized and so emmot be trained or exercised, which, I consider, is essentially mecessary There is no military organization whatever that I am aware of All

Major A P Polmer, 9th Bengal Cavalry Colonel J. Doran. Communists 27th Punyib Antive Infantry

ranks are remorant of their duties Very imperfectly, I should say.

Colonel H S Obbard Com manding 41st Native Infantry

The constitution is generally published in station orders every month, and were it ordered our, the troops detailed would take their places in it reads) and in perfect order. No possible duties are made known by (992)

Colonel E Dandridge, Com manding 40th Native Infantry the station authorities. The column is supposed to be prepared for service of any kind.

Colonel G W Fraver, 39th Nature Infantry

Officers would of course know, but I doubt very much if the mea generally know at the Custence of such columns

Leestement Colemel H. Weesley Commanding 7th Native Infantry

The constitution is published in division, district, or station orders. There is no further organization. Their places would depend on the nature of the emergency, and the orders issued by the other commanding would depend upon this.

L cutesant Colonel R. J. Walker, Commandant 17th Nature Infunity

No .-There are but few statuous and few reguments in which the arrangements are such as to drive full beaufit from the possess on of a moverble column. Delay "and confusion would arise in almost every case where does noted with not green.

Transcent Coloni D. A. -

It is notified in orders when the regiment forms part of the now able column and the possible duties are presumably known by all, but there is no attempt at organization

Leentenant Colonel R. G. Reggers, 20th Punjab Lative Infantry I'm itenant-Colonel F. B. Norman Communding 24th, Punjab Hative Infantry

No

As a rule the defaul of troops to form the moverble column is pill. The large Armodually in stytem orders. It ought to be published morbly. The lates on the asbect are contained in jargerph 2836 of the Bengle Army Regulations. I am of opinion that the officers of the Native Army Javes a previously says jarance with the constitution and possible duties of a moverble doming, and are so organized as to be ready to take their prices in at

L catheaut Colonel H St G Tother that Native Lufantre Into Super atsodest, Transport Trum that N I

The move-ble column in a critainment is undo the charge of the commission and as the extringe has, I believe, to be paid fort for agily into use by regrement I do not fulls that tegements ever use this cannage simply to teach their officers and men, consequently they have to practice.

Major & C W Crealwhank Commanding 32nd Pronects

Generally the officers see the detail in station orders, but I have never known the men writed not knot I ever hered of any organization caused by it. Beyond the first of the station order being formally repeated in the regimental order book, I have never known any other mother taken of the properties.

Colonel H Bossragon Com manding 4th Siklus I do not see how any knowledge on his acquired of the possible of the confined to during these, I should say, are confined to day any orders.

None in the corps has been attached to any moveable column, not has the intrinion. This system does not obtain in this force, saunder the orders of this Lacelles up the Commander in Charl. Not in it recently

orders of this Ancele us in the Commander in Other. Nor is it necessity, Regiments on this findance are a days prepared to move at the alority possible notes shout its district, or wherever it may be regimed simply because it has its own reprinted correspond contains a multis) with their establishments also that of the hospital re, self supporting, in admir risks plan and the best raid only one on every secount and the officer and men know their duties and place.

Legiterant Colonel F T Ba ti bridge, 4th Sikhs As far as it obtains regimentally in the Punjab Trontier Fores, yes, and each regiment and its transport knows its own place

breige, 4th Sikhs Major & G Ross 1st Sakhs

Tide answer 4

Colonel S Edwardes Com msa ling 2nd Bombay Native Infants

Colonel W Bauntruma 4th Bombay Rufes Yes

Colonel H H James Command 10g 10th Bombay Native Infantry The orders are published and generally 1 nown. They are ready to take their places, it required

Colonel J. I. Willes Commissary Octobal Rengal The ermon-strate officers and subordinates do Probably there only one officer and one of two Partsh subordinates in a station. The must be every since and attend to over thing. There are no places I then not the column. Regimental officers anturally I now nothing

Colonel R. A. Moore Acting Commis any Centeral Moderns Jude messes 3.

L gutement-Colonel W W Wei Levelian-Cooks a w wi eral Bombay

Colonel T H. Shley Deputy Communication General Bengal

Colonel M J Brunder Official ang Deputy Communicary Conce I Calcutta

Colourd I Keer Deputy Com m sarry General Leover Circle Bengal

Colonel G S Machen Deputy Com surry Go end late in Con m sanut of argu of the Elevber and human lerces.

Leastenani-Colonel J. V. Hawi Bepring Assestant Commissary General, Bangal

Major W Luckbordt Dy Asst Co mesory Schural Umbilia Capta T F Hobday Dy Asst. Immustery General Kanduber

J H B Hallen Esq General Super tendent of Heren-Breeding Operations

I can only answer the so fm as the establishment of field column carriage in charge of the c management is conce and, the men of which understand their duties and can it once be told off with their animals to accompany the several detachments of which the columns are composed

(998)

I do not think, as a rule that officers had sufficient opportunities of learning their duties with moveable columns

Yes The troops composing the moreable column are generally de-tailed in garareon orders troubils and all they have to do is to move to the appointed place of assembly in getting their transport from the commissanat

At a station there is generally only a wairant officer or two, and two on three sergermis under the executive officer or sufficient to curry on the different duties such as the godown, cattle, victualling One or more of these, and an agent or two, would be ordered to go out with the troops. They know pertectly well what they have to do. The camel chowdry sees to the d stribution of the camels, the sindars of Bearers and lus mates to that of the bearers, and so on All have nutten distribution statements given them through the narrant or noncommusioned officer and Native agent who supervise all arrangements

The comm servat and men I now their duty with moverble columns It was my custom as an assistant commissary general, on parades of my own, to usk a man who he was and he would answer to regiment" or "cooking ports of artillery" as the case might be tents of

Presummer this to refer to commissarist officials, all are requainted with their duties in the moveable column, but under existing rules and eistons animals are not set apart for the respective sections of work, te, carriage of mamunition, baggage supplies and moveable column carriage ordinarily consists of elephants and camels only and the distribution of it rests with the regimental authorities No difficulty obtains under the circumstances explained in answer 4

The column is told oft in orders and men and officers would I should say be always ready to take the field, and act on such orders as they

Toursen As I believe a column cannot be really moveable unless it has its transport and care age at hard ready so I imagine only certain troops on the frontier possessing ready transport and earnings can be considered in the light of movemble. It is therefore a question whether the officers and men know the constitution and possible duties of the moveable column

How many times annually are the moveable columns with which you are acquainted exercised?

Lectionant-General C T Cham orbun Can Late Commondance Ordh Divis ou

The order is that they be exercised once annually

A short march out and a return match next day, with proquet duty and a field day one or both ways, as the general thing

Moverable column carriage is generally obliged in moving regiments

in relief, or moving invalids or fresh drafts from England, so as to save Government the cost of other carriage
In 1875 76 most of that for Luclason was used with the 18th Hussins which went to the camp

of exercise Liephants were sent there for the Imperial Assemblyge in 1876 77 and every year it is more or less used for purposes other than that for which exteriained Sometimes aid has been given to adjoining commands to move troops

L entennat-General W T Hughes an, Commission Saland Daymon

The moverble columns all ded to se asswer 4 vere not exercised last cold senson, the transport cattle attached to them having been required for treeps and camp equipage on the move in consequence of the field operations in Afghanistan

Lightenent General J Forbes, Commanding Miles Days en.

At present seldom, owing to extension of railways

Major General A. W. Macreture C.s., Com randing Hyderalad. Subsiding Posts.

Three a year for regular musters, everessed according to circumstances. Everessing the moreable column defuled from the Hyderabid Subsidiary lorce at any distance from cantonment necessarily involves great meanweater and considerable expense to Government as nearly all the transport of the force is required for the column. The current carriage daties of the strains have to be suspended, or local carriage bired to meet the necessary requirements of the force remaining in Major General R. O Bright

Major General H R. Browns Commanding Sanger Destrict

Major General J W Schnes fer B Commund in Northern Days on Commuding

Brigod er-General G Burrows, Quarter Master General Hombay Brigid er General F G Komp-ster Commanding Ceded Districts

Bugad et General T J Murray op Meeltan Hugade

Colonel J Macdenald Secretary to Government of Hombay Multary Department

Colonel A H Murray Deputy Adjutant-Gene al Royal Artellary in Ind a

Colonel D Standen Are stant Adjutant-General British Burma Bri e ca

Leater at Colonel A. G. T. Hogg Dop's y Quarter Master-General Bombay

Louisenant Colonel H A Letile, Offic ating Deputy Assertant Quar-ter Master General

Major A A A K nigeh Deput Assestant Quarter Master-General

Capta a M J F av Hutman, Dy Astt Quarter-Master Gereral

Le tenant Colonel B Blundell Srd Hussars

L cutement Colonel R S Cleland

Leentenant Colonel Lord R. D. Kerr Commandu g 10ti Hussars

Lichtenant-Celonel J C La Quesse Lith Royal Lancars

L'entenant Colonet G Lock Commands is 1041 Hussars Mayor J W Chaples Sth

Bussora. Capta n F & S MacLennie Sth

I enternt Colonel T Rowlin L Commanding Loth L Lers I entenant-Colo el VI MacGn., er

1 18th (Tie Horst Lat)

For various reasons the moveable column at Meerut does not appear to have been exercised for many years. The troops from that station have generally tal on put in cumps of exercise

In this district advantage is fullen (during the cold scason) of the monthly muster of trusport cattle to assemble the columns under street with bigginge and ammunition loaded no

And there is also an annual exercise of three to four days, if curcumstances permit of its being carried out

The moverble columns in this division have only been exercised once suce the present gene al officer resumed command in May 18/7 In the absence of a conside able portion of the fixed field column carriage, canals and carts were huel on the occasion

It is left to the discretion of commanding officers

The movemble column parades every quarter, and is mustered by the officer in command Livercuse in the cold season

Only once and usually for not longer than two days, and when the carrage is used for the relief of reguments, not at all Bit seldom, as for as I am aware. I am informed that during the

last five years movemble columns have been ordered to move for exercise but once and on that occasion they marched out complete

Never, as the moverble columns in that special capacity but only with the other troops of the garrison on ordinary brigade field days At no stateon in the Madris presidency of which I have I nowledge have moveable columns ever been moved out for the purpose of being

exercised With a few exceptions they are soldom exercised, but list year all the columns were ordered out simultaneously by telegrum, and all turned

Once annually when the column moved into the district for two or three days and memorarded as if in the presence of the enemy Bes des this, the general officer at his ranged inspection ordered the column to parade to move out complete in every respect with rations for the troops &c never informing even the staff wholler the column would actually leave the statem or not, although it never did within my experience but I believe it always was expected by all concerned that it would do so

I have seen very lettle of any reg lar exercise of a moveable column Of late years I have either been ut camps of exercise during the cold weather or at stations who a no use was made of a moyeable column At Calcutta there is none

Numerally once a year, really never because the carriage is always occupied in easying out the reliefs during the cold weather It has pureded twee succe October last. Before that it had not

been turned out for two or three years, or longer Only once to my knowledge since the regiment has been at Sullot, and that was in Maich 1878

I have no expenence of large stations, but I believe the practice to be an amount smest-ring of the moscoble column, when other more ments of mamedide importance do not intuleic

I do not think, ouing to weather that any have been yet mobilized this year, but they were sandry times list

Tide answer 3

out under thelve hours

Twice annually, according to regulation

The 9th Lineers I we only once been called on since their armal at S allot m Murch 1875 to take 1 art in a mov able column This was in Much 1578

I have no recollection of ever having seen them exercised

Never

L enternant-Colomel G. F. "Valler Commanders 1 12th Foot

With one exception (alluded to in my reply to question 3), the moveable column at Umballa was not excressed during the space of two years

Appendix IV

Lentenant-Criench D Warren Commanding 2-14th (Prince of Waler Own) Regiment Once, when the moveable cohoma of the statem marched to a certain place under defin to orders and then in continuation of those orders retard upon contouments,—a general sites governing the whole

L extensit-Colonel G W Puget Commanding Sith Reg meet L extensit-Colonel J S Hand I have never known of a moveable column being exercised

L totenant-Colonel J S Hand Commanding 44th Regiment-Lieutenant-Colonel J W This is replied to m answer to question 4

Once a year for three days I refer to Morar three years ago

Haghes 54th Regement

L cotenant Colonel C B
Knowles Commanding 6"th Regment.

Paraded once a quarter I never heard of the column being

Leestenant Colonel G H Parker 92nd Highlanders Major F Stephen, 4th Patital on

R de Brigade

Once

Major F S. Terry L. 25th King's Own Borderors In mexpensive of meanly twenty two years in India I have never seen them see used practically I have served in Barelly and Tymbol for some years and never how the moreable column collection, except on one conston in the latter

Major Hugh P Pearson 12th

place, when special permission to do so pertually was granted in order to carry out the sixual field frings on a service footing.

The More moreable column is the only one I have seen since the order for annual exercise was justed. It manuscript for farres days

no water our missing configuration with a second to a state of the configuration of the time. Usually the programme was as follows: The first day the moveable column invided not two equal portions matched to construct the to the missing the first from each other three out properly and made recome senses, read surveys for. The second quite two forces measured against each other, concentrings differential is the campin nearest excitationately wincome recommissioners were pushed forward for The third day the movement of the continuation of the posterior day of the whole of the continuation of the posterior day of the continuation of the continuation of the continuation of the continuation of the continuation of the posterior continuation in this paper as to tenth and bagging were adopted, severable columns of the research continuation might be excessed three as long as the same cost or a very much larger body of through any analytic to part in these useful measurements of the longer time than is now allowed, and at no greater separe.

Mager J H Comphell 33rd Regiment

The column here has not been exercised since I have been in the country (15 months), as during the season in which a column would be exercised most of the troops were changing stations

Major J P Dyson Launs Sich Regument. Major G T Shan (Sife PoolIn two years of Indian service, I do not recollect seeing a moveable column out for exercise I have been quartered in two stations where increable columns are kept and in three years saw one of them exercised once

Mojor W H J Clark. 726d H ghlanders

In some stations I have seen them sent out once in the year, but never more! To the best of my memory, I have but once seen a moveshie column

Major G S Whate Stad High landers Captain F H Fawceth, 23rd

excremed

The movemble column at Bellary is paraded quarterly. It has not been exceed inflient, having only been bitchy formed, and the troops having been on the move has tool season.

Colonel P R O E ans Command ag R. A. Morret D v s es

Exercised soldom or never Paraded generally once a quarter

Poles Pet lier Found Trippens, Colonel J. Leschen I will not say for certain hat referring to the moveable column to which I have already referred, as far as I can recollect, never (from 1875 to 1877 and of both years)

Major Berl e Habart w. M. M. N. Seep to the Genr of Madris.

Tide answer 3

Majer F T Hume Commanding C C Royal Herse Art libery
Major W W Murdoch Centrata I
ang E-A. Royal Horse Art libry

Generally once a month or twelve times annually

I have never known a moreable column ordered to march out of cutonments or to parade

Vaper T M Hazelengy Commending B 2rd Royal Art Mery

Burney the nine or ten years I have been in India, I have never seen or heard of a moverble column being exercised

Major C E Naume, Royal Heres Artillery

Royal Here:

During three and a half years I have been at Smilkot the moverble column has been once exercised. One other year it was ordered out but was prevented by run.

During the test of my service in India, I have never l'nown a mayeable column sent out

Major P FitzG Gallwey Royal Artellery

I have been years at statums, and nover saw them exercised once nor were they. The only times I has evere seen them turned our were st. Lucknow during the command of the late General Sn H. Tonks, or, 1 0, 3, A, and on these occasions they showed the necessity there was for more prefer to the prefer to the prefer to the second of the sec

Lieutement Colonel E. C. Ware R.L. No. 4 Hatara Mountain But tory Punyab Frontier Porce

I was stitued at Rawal Pinds from November 1878 to August 1875 with a field battery, but never once, so fas as I can remember, saw the movestible column exercised

Colonel O Wilkinson 2nd Bungal Cavalry

I do not remember M may years have clapsed since I am a more able column exercised

Colonel Hugh Gongl Command and 12th Bengal Cavalry From my experience I but found that moveable columns as a rule, are exercised at the discretion of officers commanding bugsdes or statemen, at some places once a month at others at progular periods

Colemel J Blar vo Commanding 1st Bombay Lancers

Lecutement Colonel J H P
Melcolmon Commanding 3rd
had Hotse

I have never seen this carried out annually

Major & P Palmer Sth Bangal Combry

The Sind Irontici Toice the only force with which I im acquinited has not been so exercised for upwards of seven years but then it may be argued that it is not actually designated a more ble column

Colonel J Doran Commanding 27th Punjab Nat to Infantey

The provisions of Bengul Army Regulations paragraph 2528 are as my experience (22 years) goes, presently evaced by officer commanding statons, with very few exceptions.

I cannot recall any occasion within the last twelve years on which a

Colonel H. S. Obbard. Commands ant dist Native Infunity

nowebb column has been setably executed though the outline my has been eitled in and collected for the purpose.

At Morar the movemble column is more moved out as such her, once in the year at musta time in Tehrury, or Airvel, when the pubble entings is brought in fore imspection (camba see brought in for muster every month), the troops us such out in parties for field momentum, over which the linguistic great of communding prest in The memoriers occupy two days, and that is all the principles of states which of the Year.

Celonel B Dandr dge Command ing 40th Native Infantry • Colonel G W France 39th Native Infantry Not at all

During the whole period of my service of upwirds of 30 years, I have never been called out with a moveable column for exercise

The only occusion I can call to many observable or many observable or many observable or many observable or many observable or the observable or many observable or produced to the observable or appeared to the observable or obse

Once at most

L entenant Colonel H Worsley Communium "th Native Infantry L entenant-Colonel R. J Walker Communication II Native Infantry J entenant-Colonel R. Gogers 20th Puepals Native Infantry 20th Puepals Native Infantry

Once a year

In many phases noter in others once of twice imperfectly and with out supervision

L'enterrat Colonel F B Norman Commanding éth Ponjais Nat e Infantry Once a yen the column went out for three days. Lut I have been of statues where advantage was taken of the critile coming in to be mustered to prized it e thoose composing the column with the carriege laden according to regulation

Hent Col H St G Tocker 41st h 1 laie Saplt Transport Tra n 41st h I To the best of my recollection not once within the list 10 or 12 cars

Though detailed for many movemble columns I have never once been

Major L.O. W. Grockshank, Commandu g 32nd Pioneers Major I. P. Roneroff 41k Goorkhas

called out, nor bave I ever seen one called out
The Robileand movemble column was in 1809 64 as far as I re-

Colonel H Bourngon Commanding 4th Sikles. collect currend (nelve times annually, i.e., once a month I/R my taphes to questions 3 4 and 5 as regards more abchanges. All corps in this force, when per all e.g. out ann. It musther distincts for all levels a featuaghts spratture—a very good training for men and annually, and coving it of State nothing. Lacatement Colonel J. J. Boswell Command og 20d Sald a

Punjub frontan regiments usually move out once a year

Colonel S Edwardes Community mg and Bambay Astro Infants

During my service I remember only one occasion on which the moveable column of the station was exercised, and that was last year at belgrum. The column, which was supposed to be complete in tents, ammunition, and baggage, was marched 5 miles out of continuent and hack again. No attempt was made to accertain whether the force was really capable of taking the field which could be tested only by sending the column out three or four marches

Colonel W Banyerman (th Bosebay Rufles

They are not regularly excressed On a recont occasion all field columns in this presidency were ordered out by telegraph, and moved the fellowing morning

Colonel H. H. James, Command ung 10th Hombay Native Infantry Colonel J Farbrother panding 22nd Bombry N I

Once or twice a year

I have never seen them exenused

Colonel J I Willer Commissiony General Bengul

Nover more than once a year, with reference to the orders of Goveroment m Military Department No 619, dated 14th November 1874, which I have not at hand to refer to, but believe modified the orders of peragraph 2328, Bengal Army Regulations

Colonel P. A. Moore Actual Communary General, Madras Colonel T. H. Sibley Deputy Commissiony General Bengal. Fide answer 3

I behave the moveable column soldom went out oftener than ones a year

Colonel M J Brander Officert sig Depaty Commissory General Calcutta.

I have only actually seen the movemble columns exercised at two places 112, at Peshawai under the life Major General O'Grady Haly, on in 1861, and at Rawal Pinds under Major General Sir P Lumsden. ков, &c, m 1873 or 1874

Colonel J Reer Deputy Com m stary General Lester Circle Bongal

I am acquainted with the moveable columns at Sauger, Peshawa, and Bareilly At the two former stations, they, or part of them, were employed occasionally in the cold werther for one day or part of a day, but never taken out to any distance in the district

Colonel G S Macleum Dapaty Communary Go seel litto a Com in surrent clurge of the Khyber and Kasum Forces

I was Assistant Commissary-General at Saugor for from years, and the movemble column marched out three or four times a year. At Lineknow it has been seldom. These sie the only stations I have served m with more able columns attached

Colonel G J Dalrymple Hav Expenses of Commissarist Ac counts Bengal

In paragraph 2328 of the Bengal Army Regulations "cosh move-value businans to be occasionally ordered out for the purposes of ozer-cies" but in Milatury Department before No. 617, dated 14th November 1874, addressed to the Quarter May'e General, the movement unto the neighbouring district of the troops composing moverble columns for three or four days in each year, for pulposes of exercise in the minner suggested by His Excellency the Commander in Chief, was synctroned

Lordinant Colonel J V Hant, opolo Assettat Commissary Deputy tenst Control bengal

About once a quarter and during the marching season only

Major W In Librat, Dopy Asst, Comp Geal Usaludia

I have never seen it exceeded, but the animals are worked during the relief season, and employed on station duties

Capts a T F Hobday Deputy Artl. Comp Genl Encodeday

Generally not offener than once a year, partly for the reason that there is some extra expense connected with bringing the cumular way from then grazing ground and giving them rations, and with having to pry cultivators compensation for destruction of crops

As it is manifestly impossible to keep up an enormous transport establishment in time of peace for the whole ramy, can you suggest in detail what the framework should be both in personnel and wedered for the various parts of India-

(b) nature and position of subordinates?
(c) men (European and Native)?

(d) pay and pension? (e) clothing?

f) equipment and arms?

(f) description of transport suitable, wheeled, pack, coolie, &c?

i) nature of carts and barness ? (j) nature of pack-saddles?

L'ent Genl. C T Clan berla n ou : I te Comdy Oedh Dans on

It is impossible to give details without circlully considering the subject in all its hearings, but I should draft officers and men (a & c)

from regiments as supervisors, because discipline and intelligence bing absolute assentials for success, careful selection would be necessary (b) Subordinates should be of three kinds-

(1) Officers to have charge of lengths of line of communication which they would be remounted

(2) Non-commissioned officers to have sections of these lengths of line of communication which they would be responsible for to then officer (3) Men to have charge of stations where the transport eattle are kept and furnish escorts for the

stages (c) Other Europeans I would not use I should somet have Native or et seers than European waterst

officers, as the English officer would continually be up and down the length of his best (d) Much as in the army in war time

but the drivers to be specially clothed According to localities, but all should have Native swords

(g) According to the locality (A) All available

Of the simplest kind, easily reparable and interchangeable

(f) Such as used in the Purpay Frontier Flore regiments.
Considerable relief to the State might be secured by requiring offices to keep up mule or pursuange and small tents, so as to be able to move suddenly without indending upon the moveable. column carriage, as they at present have to do

To secure such supply they should be required to show up at muster in the manner that chargen

There may be some grambling, but the receipt of tentage makes the plan feasible and fair, and polo points would be the representatives in 99 cases out of 100

Lightenant Gorl W T Hughes on Commanding Strhad D various

In those parts of India in which it is considered necessary that troops should be so organized as to be capable of rapid mobilization for war, I would keep certvin drivesions or brigades fully compred for field service crimp equipage of the lightest description and marching establishments of the smallest consistent with efficiency — I would utited to each regi

ment and battery the corts and transport critic required to move a wing or a half battery with its commissaring supplies. The transport should be placed in charge of a selected officer of the regundaor battery, with a non-commissioned officer's pirty under him and commanding officers, should be also responsible for officiency in every respect. The wings and ball latteries named should be used. tion to take the field at the shortest notice, and on their doing so, commanding officers should indent on the reserve at brigade head quarters for the transport cattle required to mobilize the other wing and half-battery

These brighte reserves should contain a sufficient number of purchased animals to roplace ensulties in the regimental and battery transport, and should be so organized that the executive officer in clause should be able to collect quickly from the distinct, with the help of the civil authorities, the transport anothe on pure of being quarky from the ensemble, we consider the remains and departments attack cattle previously selected and not led, afficients for the weaks of all regiments and departments attack of to the brigade. Commanding officers and heads of departments should countriesign all reaches, balls, and redarks All should be under the direct orders of the other commanding the division.

(a) At drawsonal local quarters the heeds of the communication that the drawsonal head quarters the heeds of the communication at long-up of open mentions at large departments and temporal as staff of Butter hone-normal

(b) At regimental and battery head-quarters a Native subordinate to be under the orders of the officer in charge of the transport heads of departments and their assistants and evec the collect to be of the commissioned grades subordinates to be taken from the non-commissioned runts of the British army and Natises

(c) Sr. manor above
(d) As at present
(e) Stall and plans departmental aniform

(f') British officers and non commissioned officers as at present, Native subordinates and followers to be nimed with swords (tulware) (c) That in general use in the country in which operations are carried on Where field artillery wagons can be taken, light and strong baggage casts not overloaded can

follow In mountainous countries these casts should be drawn by mules or Jabous, and in the plans ofth

would serve for draught

No smalls of the plans should be tallen within the Algiran passes

(h) Those gener I) used for transport in the country in which operations are carried on

(i) Biggings cards and homeous of the American pattern, or any improvement thereou

(f) Those in use with Pungab mountain batteries

Lieut Ceni J Forbes Coundy Milon D 14100

I cannot answer this in detail, but the enting field column curings would form a good framework on which to worl out the necessary from port for war

Major Genl A. W. Mac nine on Con ig Hallecabad Salendi ary Porc

Given the strength of the force and the proportion that should be bed in readmen for immediate movement, do the decorport. I transport to be completed, then the frameword might be driven in further words and have reference to the part of India. The transport of the proportion of the first property of the property of parts of Indea embrace so wide a desersity of climate and encounstance,

that a scheme of universal spilosobilist throughout the counter would be understood content and circumstant of the protection of the understood of the understood of the protection of the content would be understood of the transport must constitute of the content, so of stills which we not depend for the troops of allow for the long of the content of

always he kept up to the full strong to, being supplemented, as occasion requires by the descriptions that can be collected in the neighbourhood where local resources are sufficiently clostic to meet probable requirements in the natural course of supply and demand. A scientific organization appears uncalled one requirements in the anatomic of the operation, and consequently no return to the State for the for, there being no adequate field for its operation, and consequently no return to the State for the expenses to be incurred in its manufacture. Contracts for hired transport during time of peace might expenses to no measured us in management. Comments for more transport using time or peace insight signalate for measured stopply up to a given maximum, eathput to reasonable notices, such as the exist-ing content for piece beliefs as under. The present pack indiced, contractor signalates for a maxi-mum establishment of 1,046 bullocks and a minimum of 507, that is the contractor cannot be called upon to supply more than the former or less than the latter number, except under the following special conditions, or a 100 additional to the shows on ten days notice, 500 further additional on a second ten days notice. Additional bulleds subject to ax months notice of duchange Maximum of the whole 2,246 bullocks, charge per bullock Ra 3 8

Mayor Gentral B. O Bright, op Commonding Metrot Division,

I think the most practical information on this head would be obtained from the composition and organization of the army service corps in England It was formed by most competent officers in England after a careful study of the different systems prevuling in the Continental armies and after the requisite modifications were adopted. It would

doubtless require modification to suit the requirements of this country but, from the experience gained in the Abjasinian and late Afghan campaigns, this should not be a work of difficulty. It would give in the Abjustiman and into African companging, the strends not be a work of utilities by I would give a finament for the composition of a copie a regards officiar substitutings party, person, clothing equipment, and times. The copie should be emposed of both Storopeas and Netwers the former and out of the latter as are taken from the name endpoint as non commissioned officiar.

(a) This must clothly and catalogy depend on the country in which the operators are being carried on In the plants of float anaelles and enter world industry to used, in amountainess countries posts.

animals would be best

(a) For mountainous countries the transport should be composed as much as possible of mules and onies for the first line. As the lines of communication in year become improved, camels, and even wheeled cornage, might be used.

(i) In the plants the country backery answers its purpose. In the hills, where wheeled traffic

could be used at all, light two wifeled carie, strong, country made hurness for mules, tope traces

(4) There is an excellent pattern in the law Pladt division—where a considerable mule train is kept up. It was fixed upon eleven years ago, and has been in use over since

Mayer General H. B. Browns, Commanding Sauger District. I do not advocate the formation of a transport establishment Unless the transport is actually maintained and in constant use, neither the officers nor men of such a department could gain any neeful

experience Indian transport in all parts commists of country certs, elephants, camels, bullocks, and doctors the herers for hospital purposes. No training could be given to equal thirt of the Native mahouts, drivers, and labars under the direction of their sociationed chowdres, granders, and nates

Reading-General G Benow,
Quarter Marke-General, Brokkey
Gunter Marke-General, Brokkey
I consider their the currentstances of India do not request untended to grateful No. 8, L. and of genome that a certain number of
elephones and mains should be kept, because three might be consented
with the netwest of the former number with the netwest of the former number of
the consented would be refused to indispensably necessary,
when the netwest of the former number of the order of boundable new or obstanced here of
the consenter of th

Beyond thus, the resources of the country will always prove sufficient, provided prompt measures are taken to organize and get into working order the earnage as it is collected at the base of operations

Brigad ar-General F G Kemp-ster, Commanding Colled Districts

Would suggest that skeleton depits of transport be adopted Headquarters of each depot to be statuened at large military centres, having detectments at smaller stations. Each depôt to consist of military train wagons (howe and bullock), canels, pack mules, bullocks
(ii) The peace establishment to consist of wagons and baraces.

(e) The peace establishment to consist of wagons and narrows.

Cample is now maximated for mercable columns.

Mules \$5 per obst of war establishment and full peak, againment.

Bullecks—A chairing for to be paid to haveless of knapses for 25 per cent of bullecks required for war establishment to be pracked quarterly at transport counts.

(b) Officer—One field efficies and no so-shalters miles of the peak of the one bulk one further to each 100 annuals

(a) Pay and penson as now drawn by Native cavalry,

(b) Clothing as now in use with Native cavalry.

(f) Arms -Snuder carbine, short sword

(2) Carts, four wheeled, not Doglish war pattern it is said the American military wagon is beht curries great lord, and is suitable to rough country
(i) Horses and mules
(i) See (g) shore
(j) Prel swidles for under some as in use with Perhawar mule train

Colonel J A Tytler c n v c Command ng tih Gouldner The framework for peace should be as follows -

(c) I would suggest that at the herd quarters of each dursage or district there should be an editor of the rath of etc officer, whose duty at weald be to look after the whole of the trusport of that outer of the runs or producer, waverings it would be upon the case whose or the transport of their direction and strict, and he is never yet represente for it. He should wast at meastain times the different out-stations for the purpose of mesocing all carriegs, apporting to the officer commanding the derinan or distinct and tempings to his notice anythings that he may consider requiring the orders

(b) In each station there should be a really steady Il bel aved non comm one! offeer (Duropean) either alo se videry man or a drigoen one vior le well and is well equ uted to b the ve nacular who should be respons ble for the curriage in that tation. There might be to and ass stants at the he d quarters

(c) The men sic d be Nati es smart and trustwo thy men selected from the Anti-correly reg ments a cort. n number n each a ruon to retus a s tants to the abo e each man to ha en cert, h

number of trusport an myds and din ers n der) s.ch. gr (i) Their pay to be a little I giver than they ould roce e with their reg ments. Then remons to be the same as the rang mental com ades

() I would have all the men of the traspet corps both Bimpeans ad hat es dressd na good loose serviceable that, unifo m The officers ad non comm as oned officers (Br tish) to r canvas ga ters 1 ke those worn by the officers and men of the mount a b the es 'lle Nat e to were p tices with mammant on books and spu s. They should lise year some listing u should be done to show ill a they belong to the insu port.

(f) I role I uropeon non comm as oned officer should I we a goods ord and m of er p stol and a pair of b nocula s and each Nat re a swo d and b eeel loal ng carb ne

They should be I well mounted on good pones at I Go erament saidles &c (s) T is vould of course depend on t e n ta e of the country P of transpot o ld n most

cases he the most seful

(7) As a general tule mules are the best care age especially u hilly o stony countries. C m la require more food and more care b t when they can procure plenty of the fe mer they are no doubt very serviceable s car y ag not will fix much more that multes or pour services literate region little and more that multes or pour services literate region little and services good the leaves good they are up to be troublesome and are not so hardy as me as

() This is a matter in which I have hid very little experience. I therefore do not like to gr

an on n on

(4) To best p ck saddles are s fir as I remember these used by the mounts a b tiones Not! ng certa nly could be better for en yang ammunition if on the re

o I J Mardo ald S re-to Go rames Benery c. n. age s ppl mented by h. odc rr go would be suffocut fo the next fary to Go man. Miley Dopa men of the troops m India Certain portions of the error age would be placed in regimental charge. For these the quantermister of the regiment with the men in charge. of the m male roul? he as the ent establishment. But if Government we I report to most the expo so of a transport to a estable ment officers should be travel for the duty. Doing peace the commission of this period of the mean and the following the commission of the following of the commission of the following of the following strength reliably the following strength reliably the following strength reliably the following the common of the mean the reliably the following the following the common of the mean through the following the following the common of the mean through the following dur ng peace

(a) For an army corps of 3 to a divisions

I director n ch of with 9 ss stant I rectors and an office establishment

For a d vis o of 2 to 4 l ngades-

1 d rector

I ass at ut d tto

Office cat bus me t for a brigade of " to 4 reg ments-

l a istant d rector

I arrent offee

For la ge convoys convey ng pro muons ordnances or med cal storce a director should be placed nich age in the ce tan number of as in tid actors and arm to offee a nece ding to the number of unusual and a is employed 1.0 0 multi might be consided as a million it in go form as it will be consided as a million it in go form as it will be consider. He would be responsible for the fooding and general a world an male for the consider and proy of the followers and could be no put a recommend of 1 s d s on (2) and (2) The redword makes it will come as it of—

fur ere warmut officers sergeants or ha all to bl s es mucca I ms n lb inds dn ers moch es

(d) The men should be prid and pensioned at the same rate g on to onlisted liseurs
(e) The clothing to be similar to flint issued to tent in care list of a different color (ed). The

men should rece e the same ame of of warm doth ag as my le saud to the troops

(f) A s rord and 1 stol the ria result for earry ag food no ld be sufferent (g) a d(f) first tend tipes unty to be triesed to be the soul to this yout. If much is you he are also be the soul tipes that the soul tipes the soul to be the soul tipes the much soul t

() If c rts c sed the orlary county c rts ed a Bonday would fon d very u fol Some Make e pattern c rts irwa ly under the deard mary is mees no generally in use re res s mended

(j) The Bengal pittern piel riddle is I believe con dered the best

Co A. H Nort Do Dep 5 I would recommend in the event of rmy corps leng estal. Act is need to proport on of high gade, he agle tup to fills rength in proport on of h gade be ng lept up to fills rength at an pori

I a ld propose i in that ad of trun port—

I—Pe m wend or overcomment tra sport, that led in full strength to certain brough I

I—the to be that of the strongth strated if to bigneter and to form a need us for capani or

when req r ! HI -Co tent trum port a stable locally subject to ser ce how required to he retained (fondnet en lyamilfee

IV -- Transport obtained by hire, impressment or compulsory if found necessary

(a) Officers in sufficient numbers should be placed in charge of the permanent transport establishments, to be compared of a commenting officer and assestant for each district. A selected. commanding officer for lengades where their transport is kept up to full strength. A regimental officer for regiments A non commissioned officer for batteries

These should be changed, so as to ensure to all ranks a knowledge of their duties as hansport officers On the march officers should be told off specially under regresental arrangements, and they

should be practised under the several commanding officers in change as with a force in the field (6) A certain number of non commissioned officers should be employed under the officers com-

manding the transport of the district or corps, and, in case of regulerits or hatteries, be placed in charge of durisons, other by troops, complemes, wangs, or betteres, under agramental officers in charge, being changed periodically to common sufficient number of all ranks being acquiented with transport

(c) A certum number of steady men should likewise be selected and instructed under the noncommissioned officers Natives should be permanent, and be selected for special knowledge, &c

(d) I would give working pay while employed to all No pension, except to Natives, is required, unless a permanent transport curps is established, and which perhaps is not suited to India Ordinary pensions to Natives will suffice

(e) Regimental, with a hadge (T) round arm, usual hadges of rank for the non-commissioned

officers Transport other than regimental to have one uniform dress, khala serge, with distinguishing budges, such as O T (Creinance Tressport), H I (Hospital Transport) &c

pay one as of a (Oranamos Prospecty) of a (Independ Praispo (f) Side arms (evorals) and rovolvers (g) Depends entirely to the country, internal or enternal writing For internal—

R heddel with mule and bulbek draught elephants and camels To the fronter stations in view to be aveniable for external worfare beyond the fronter, as in foregoing, but with a far larger proportion of mades

As above Carts should be two wheeled, as used in Abyssians, with ordinary single harness

(j) I am in fivor of Oiago pattern for beggage ordinary male Native pads for ordinary stores and animumition. A committee (held at Synh) last year) I believe determined upon a good Native pad. with things but I am given to and exitated the object was defeated with some portion of the Kandahar force, owing to the confinctors in some cases containing to supply the principal part of the pad, which all Nataros use, and which prevents the back from being injured

Lenbitant Colorel & G T Rogg Repris Quester Master General

It would of course greatly facilitate the organization of transport in time of war if such framework was maintained in time of peace, but the cost of this framework, efficiently provided would be consider. able and unless well put together and Lept in a high state of efficiency, at would be of little use as a nucleus for transport organization in time of war

To report in detail on this matter would take much time and consideration. However, I submit a rough orthogonal measure upon the master voice that the early consideration. Hence e.g. I submit a rough orthogonal content the general direct the general officer commanding, who would associate through the quarter-master general a department.

These depots would ensure there being at hand in the outset of a campaign a few officers and h number of men trained and familiar with the various descriptions of surmals and requirements of transport
The organization of the depôts to be skinetly making

 (a) For each depot one efficer explain or subalture
 (b) Non commissioned officers or pursakes from Nature regiments in the proportion of one to every litty drawns

(c) Native drivers, one to each elephant, one to every 4 camels, one to every 2 miles, one to every 2 bullocks

 As Government new determine
 Each driver should have a sust of uniform loosely made, so that under clothing might be worn when required

(f) Short sword, havresuck, and writer-bottle

(g) A small a upply of Multisse carts magnit be kept up at each depôt

(A) At each depôt-15 elephants,

200 mules,

also a few camels to afford nastruction in load ne

Maltise carts and harness sufficient to carry on ciation work

(j) Otago pattern, or Luhore pattern, cas to each male, a few palans or camel buggage saddles sufficient for purposes of instruction in leading

Major A. A. A. F also: Deputy sentant Quarter Haster General

(c) I have already given my recur in come detail in my replies to question 3 of A, pages 7 to 9, but to recognizate, and to enter more into detail, I would from a squarate transport department. having at its bad as neare as expensed officer, who might be called the superior general of transport.

He should have a staff officer to assist him and also a skilled and expenses whether y surgeon.

who would accompany him on his tours, which should be extended throughout the year

Should the armies of the three presidences be airrigamated, and soveral army corps formed, a deput; mepector general would be required for each army corps. Even under present arrangements it might be well to have two for the Bengal presidency

(1002)

Leaving the strift offers of divisions in I brightes to be selected by general officers in time of wir or of peace interserves from the most experienced re, mental transport offers I would have no other officers on the establishment except those with regiments. These should be appointed for a linited period say fo one year and would I are the gene al management of the transport statched to fier reguments although all company office a well game a ce taun amount of eaunrence during the time that the regimental transpo t was attached to the r compan es

I I ave I therto been considering regimental transport only. I have not sufficent knowledge of il c deta le of d fferent departments to I now il c ex ct p operation that it yo ld be advisible to rite a in time of peace. Upon the p opo tion fixed the number of offects and the so rees from whence they

are to be obta ned would greatly depend

It solvious that for departmental work at we ld be impossible to withdraw many my mental officers and it to hi the close I e well to have a number of special officers to this service

In order to be efficient will transport offeers should be remo used and as it is proposed to limit the team of diffused it age to the form they show the supplied with less by Government. Very corpus or sum is supplied with less by Government. Very corpus or sum is would not be required only of a public way to like best as to do to it a way.

(4) A segment to open I and a vision much should be detailed to look offer the carm go attacks to each rag sees to a time of pence and not let under the orders of the regarded temperate offers on

to the groun of feeling and enter using of the beggegerstments.

In the front of these rectain number of men of the company to which the beggappenments were thatched to the five by the latter age at that when the arbole regionant was mobilized there reall always to extra get a that when the arbole regionant was mobilized there reall always to exten up in men to maintain the necessary order and there is the company.

The non commus oned officers should be mounted on brady pones

As in the e so of offers a ce turn number of subordinates should be mentained for the deputmontal transport serves. They might be obtained from volunteers from different regiments.

(c) I have considered all sold ers both Burspern and Native unde the head of subordin its

Under the head of men I propose to consular only drivers

These should be in the proportion of one man for each string of ten camels of three m les or

ponies tei buffalces or bullocks or for eacl ea \$ In addition to these permedus maght be apposed in suitable proportions to look after each de-acr ption of carriege. These men would be selected from the drivers for intelligence activity and

attent on to their ork All dr vers nould be dulled to a certain extent and beggage animals would move in regular form ations such as file double fles threes or fours. In the c. e of un mals that move in strings such is

cam is and mules each etc g would be the in t then adopting various formations

(d) Those we ld depend upon so many different circumstances that I am unal le to give a more accurate commute than to suggest that the pay of off ers and sold ers employed on transport duties al ould be slightly in reason and that dr vers should (as more would be expected of them) occave some

what higher pay than they now do in such b anch of transport

(c) All runks should be dressed in Lind. the No folk packet and loose bronzers with justees being equally a stable for rolchers o drivers Braiss or Nature

(f) Non commiss and officers should earry swords and revolvers other soldiers should earry

their own arms I do not consider it necessary to anni diaveis except emiders who might carry swords. Rich

driver should have a belt a weter bottle unla good the detack (a) The deser pixes of transport susfable would of course depend entirely upon the local ty and to some extent on the season of the yea

Wheeled transport should be employed as fur as possible for many masons. Among others on

account of-Capacity and economy of an male.
 Preshty in loading and obviation of necessity of loading and unloading which takes so made.

time n th pack an male

(8) Safety to baggage earr ed as the much less knocked about a carriage than on pack entrals (4) Greater control over animals there being a direct to each train

(5) Advantages a case of attack on a coursy when carriages e a be purked or langered and

employed as a fortificat on The disadvantages are that a cannot be used in a moreby very ready or very hilly country of a

fact anywl ere where there are not at least tolerable made

Pack transport elept into ear y great weights can trivel long distances and can be used in classic any country while a forest or long grass especially where many streams have to be forded they are sometimes the only torm of transport on table

Then d s. dvantages are that they cannot get on w thout a large supply of fresh folder and all

abundance of vater

Camele have thougs been the great standly for transport purposes in the plans of India and as long as they are properly feel and excel for and not exposed to wet not cold no form of cornige s more convenient.

They carry great weights travel long dust nees at a slow but steady pass and req re but few attendants

It a however a great matake to employ these in countries to which they are manted or to let's sovered a great a state to employ them in ecoulier to which they are size of order them to be supported to the state of the size of

and managed and on tying about equal leads

As I will presently point out however, they have been much neglected in India for draught purposes owing doubtless to the want of proper vehicles

In like manner, buffaloes and bullocks may be classed together, both being very suitable both for pack and draught purposes They thrave on coarse and easily procurable food, such as grass, leaves, and bhoose, and will ert gram of all sorts

They have the disudvantage of being very slow but they are procurable nearly everywhere can travel over the roughest country and m almost may churate, and, if not overworked, me not, as a

rule, subject to much mortality on service.

Other enumals, such as donkeys sheep and goats, may be looked upon merely as anxiliances, to be used as pack animals under very exceptional circumstances

Under the head of coale transport may be comprised-1d -The ordinary transport required for the conveyance of the sick in the form of doobs bearers

or Lahais 2nd -Cooles required for the conveyance of all baggage stores and munitions of war, which

would only be required under exceptional caremistances, when no other form of trumport could be used.

The trade of professional doobs or palkes bearer has fallen much into disease, since the construction of metalled roads and railways, and the consequent almost universal introduction of wheeled carriages as the means of heconotion. There is the undest difference between the motion and speed of a doole carried by a regular trained kahar and one carried by a common cooks. The mon employed as hospital doolse bearers are, however, of all sorts, and not only have many of them probably hardly ever seen a dools before they are engaged but there appears to be an ulter want of eac in their selection Old

mirm men half grown boys, men wasteng away from consumption and other diseases, are allowed to go on service under circumstances which tax the strength of the strongest and healthnest soldier No attempt is ever made to place these men under any sort of discipline, and the result is that

they are an encumbrance to an army In my opinion every effort should be made to reduce this form of transport to the minimum, by the substitution of pool, animals and wheeled ambulences as far as possible, while those men whose

services are absolutely required should be most carefully selected

In the few instances where no transport animals can convenently go-as, for example, in Bhootan and Sikinm-it may be necessary to employ cookes. In such cases, when sught loads are carried, it is best to allow the Natives to carry them in the manner in vogue in their own country, which varies considerably Leads that require two or more men to lift them must, of course, be carried on poles

(b) These have been already mentioned in the replies to question 7 (6)

To 1scapitulate them-

Elephants, coches, and occasionally bullocks, would be the best means of transport for Lower

Empaja, Burens, and the South Estern and Eastern Promiters

Burgai, Burens, and the South Estern and Eastern Promiters

Buffalous tealisels, and horses, with causels in the south season in Upper Bengal

Carnets, bullots, burets, and mises in the North Western Promiters and Partial and vito in
Afghanustan, but in the latter constry horses and make should form by far the largest proportion, at any rate with the troops

any rate wate. we cover Other minus might be used for braging up supplies (3) I have always been of opmon that manages waste of power was caused by the employment of the clumps on the skeys bullook backers, with polygonal instead of credits wheels, every frame-work, and creaking artles, but I have always been table, on making enquiract, that it was been redupted to the country, being strong cheap, and easily repaired I have only lately learned that there is an admirable transport wayon in general use in the United

States of America

Notice of a memory.

My informant is Lightensiat Garferd, like Regiment Punjah Infantry, lately appended Commandant of the Jesnicki Corps in the Rhyber, and who has given me primisison to make use of the information. That officer, if applied to, can give full details, but the advantages of the wagon, as for as I know, are as follows -

lst —It is light, very strong, and of remarkably easy draught

2md -All wagons are made by machinery, and the pieces are interchangeable so that if a wheelspoke, a shaft, or any part of the wagon as majured, its counterpart may be at once obtained from the nearest store

3rd —Bong constructed as above described, the wagon may be built up as required for various

The more perch with axietrees and wheels forms a timber carriage

On this a light platform may be placed for the conveyance of such articles as may be conveniently packed on such a carriage

If it is necessary to keep a load compact and to prevent ariseles that easily shall from falling out, sides my be added to the platform, and these sides may be heightened to any height that can ever be required

4th -The axles are constructed of inchary, which gives a wonderful elasticity to the carriage, and

444—The axis we constructed a meany, which gives a womenium essential to the carriage, and
The loves are on what a strand the "diamable" principle, and the result of the whole construction
is that the argument not only strong but severability high of damgits, a part of meium sund
under trotting very write a lord which that could health be expect to more I understant that the
Americans lives due to a very simple but serviceable method of haracseng, by which they cuttingly
discuss with incomes with cases.

dispense with breeching In short, from all I have heard, the American system would be well north a trial, embling us, as it would to make use of our makes not house for dampth work and thereby much economic labor.

It beam to make used to be some two somes on uneque over. But unexpect were the unexpect when the contrast process common process. (§) Der despitants the ordinary part properly filted, properly filted, progent to mean rail purposes De reads the new theoretical properts for much all requirements, but for looks which are noted up of a number of small articles and which therefore reput a greet double the proper to the shall reconstruct the adoption of strong not logs, slung causes the soldle. These would do very with the measurity for the challenge.

eystem of ropes required to keep in indexed load in its place, and would save an infinity of time and trouble

For mules and horses I prefer the saddle used by Sir Doughs Porsyth's expedition to Yarkand which is, I believe, called the Origo saddle I have used them constantly on my own horses, and have never found them cause a soreback

I very much dislike the common Native galun, which is constantly getting out of shape and

galling the animal

gaining are vacuum.

The Nettive arrangement of phools and prior seems to answer well enough for bulbels at
their slow work. They we, and would be more used for bunging or supplies from the base than in
transporting the highgage of thoogs.

Bulbels would, of course also handfi greatly by the introduction of the light American wages.

In short the framework of the transport system would be as follors -

all since we is included a second of transport

(3) Deputy uspectors general for cach army corps

(3) Division and brig id. transport staff officers, to be selected from regiments when required either for war or for peace managuvres

(4) A contain proportion of regimental transport to be lept up by each corps under the superis-

tendence of a regumental transport officer, who would only be appointed for a limited period

By the transport being transferable from one company to another, all rulls in a regiment would become familia with the work (5) A staff of officers would be required to be kept up for departmental work, and would be

permanently on the establishment

(6) Subordinates would be appointed in a similar manner
(7) Drivers of all classes would be regularly substed and would receive special training

(8) The unimals would be the property of Government, and would be of the hind most suited to the locality

(9) The best saddles, nagons, &c , that could be procured would be used, and all hands frequently practised in leading and marching

Locutement Colonel Ford R D Kerr Commanding 10th Hussars

An immense question requiring months to work out and not to be solved with only a consory reply, especially in the case of this vast empire, where local conditions vary so greatly. It is evident that without considerable knowledge of the country this question cannot be entered upon. A section of the department should be kept for working the railway traffic throughout the country

As for the unmals and carriage to be used so much depends on local resources, that no general rule can be laid down, but for internal wa the carnel, for external the mule and pack saddle, appear to be most suitable

L sutenant-Colonel J C Le Quesno 12th Royal Lancers

(b) Eahrted dragoons as their peers, but in excess of establishment.
(c) A night addition for working pay
(c) Althe What I have before said-regimental transport and squadron or troop

(f) Short sword and revolver (g) Same as Eugland—four wheeled carts

(7) Supernumerary troopers

Major J W Chaples 8th Hussara

I have had so little experience of what is required for Indian transport service that it would be useless for me to enterfully into the details of this question, but I would suggest that large depôts should be formed at well selected places where wheeled transport, &o, could be stored, suitable for the sui rounding country

Major E A Wood 10th Hussars

I would suggest a basis of regimental transport, supplemented by the transport resources of the district 2 e -

(1) Sufficient regimental transport to move the regiment in a few hours without allowing for hos pital and intions for man and house

This transport to be always in possession of agginests, and so ild be detailed for duties an emission ment when not obsolutely required for regimental purposes

(2) The cultury builds time of the distinct

I mean by this a certain number of wagons and bulleels, camels, or mules (according to locali-

ties) belonging to private individuals, who would have the first call of employ by Government at fixed rates and who would receive a sort of monthly rote ming fee, and who would receive the same on being mustered monthly by the officer commanding the station and on being pronounced fit for ECTVICE

These should be sufficiently numero s for the carriage of tea days' provisions and hospital establishment of the force of the mil t ry station of the district to which they belonged

(3) Reteree transport tram, 20, the o duary Government bullock train. This might be placed on a different footing and so organized that the dravers, &c., were under

a proper military surveillance and organization These men, with then cattle, from which they should never be separated, would form the chief transport train for conveyance of minimum toon, stores, &c

At all events these might form the framework of a corps which could be largely augmented if required provided that there was a sufficient quantity of transport kept up in each district for which the civil authorities should be held responsible This might be effected by a general registration of all animals and vehicles available for transport,

but I do not know enough of the transport resources of India to go into this question

Colonel J A. Ruddell I 25th Regiment

(a) One director general at army head quarters A superior officer with a jumor officer as assistant, at all large **efaltone**

One office at all other stations, except at small stations (b) One warrant officer and two sergeants at all large stations, a warrant officer and sergeant at smaller stations, and a warrant officer (in charge) at very small stations

(c) One European and two or more Natures according to size of station

(i) Lam not aware of the penson rules among Netwes, and I therefore cannot say
(i) Two suits of some strong duruble material per manum
(f) Europeans infantry awards and revolvers Natives swords, Native cavalry pattern

(g) Pack and coole in the hills, wheeled, pack, and coole in the plans
(d) Mules in the huls (i) Should be constructed of the best material and expable of standing very rough work

(1) As at present used

Lordenad-Colonel T Rowland, Commanding 1 5th Funi ers

I can only answer this question very generally and with diffidence as I know httle about it The framework might consist of a divisional staff of I captain I subaltern, and I or more subordinates (sergeants), who should have charge of all animals for baggage purposes in the division. These officers and non-commissioned officers to thoroughly understand the language, otherwise they are useless

Locateuant-Colonel A Temple met, Commanding 1 21st Fusibure

(A) I believe mules to be the most enduring, and therefore useful, animals

(i) As far as possible wagous with four wheels and tolerably high wheels

Humess with cellars, not breast-strups

Two strong panels or flat proces of wood connected by flat mon rods or orches rung high over the backbone, each panel resting on a thick cushin, which should be large enough to cover the safeth of the named where the load is highly to teach the siru. Hooks on the iron arches are at times metall for suspending the load from but the best method I know of pleaning a load on a pack anddle is that no requested the multifects of Andrians. One long rupe only is used, and every min ties on his multi-scan in recently the same way. The burden is carried high upon the lond, thus getting rid of invasit parenter what the resp. evens if from top of one the fee have the without to better me the other, every should teach the namels. The typing is difficult to describe on paper, but is easily

The best method of lording bullocks I have seen as that practised by the Shan tribes. They bring their goods down to have Burna on bullocks in uprophi of plandared hisakets, one on each side, and are partled from a third, bullow bearboo crossing the animat's book, which is professed by two pullows and

two small pieces of bourd They are loaded and unloaded with great tapidity Two men, one on each side of the bullock, lift up the burden the bulleck moves on, the baskets are placed, and stand evenly on the ground, and the men are ready for the next

Leastenant Colonel J S Hand Commanding 44th Regiment

I cannot undertake to answer this query in detail, since sufficient time for preparation has not been afforded me. Roughly I would suggest a centre depot m cach division or district where transport

animals, officers overseers, drivers, and others could be trained The centre depôt should comprise of at least one complete division of transport, the strength and organization of which must depend upon the class of transport carriages, maintis men &c , composing the division, as well as the resources of the country upon which the transport of the division would be do endent for feeding it in ease of expansion. The transport of the out-stations should be conducted

by regimental transport, fed according to local requirements from the centre depôt by Edymental transport, fed according to feet inspurements from the centre ceptor. Cook better crys should be expanted at each centre depot, to be subtreed in connectent with the transport durants as a locker, packers, extract, to ansat also in tertaldores, &e, on the line of morth and all as to meet brought experiescent; for these packers, extract, to ansat also in the preve these corps might be of almost rounnil strength, for their would be no deficielly in vary district in India in obtaining any rounnil of each recruit as a short notice. The between should be superficielly distilled and around, the direct through configure to do not after their transport component in counsel is limite to mention of a backers furners, graphs, mechanics, &e, as of course the strength of these would depend on the strength of the same around with residued and the slaw furnaries to which the would depend on the country of the same around with remission and the facts of transport to which thriving, but upon the nature of the service upon which employed and the class of transport to which attached, but as they should all be trained and armed men, they should be a source of strength to the divis on upon are the polarism as not insert may remed time, so go abstract the source of secting at the excep-tion for first in a sell as assuring the oversions &c. They should be all these so with the excep-tion of polytes the farrier ranges, who moght have superailendence over the whole. I might sidd into my expenses of interpol, cases sign princeptly mannels times an aby souns, of which I land four under my contened, consisting of 2,000 minority each, with newly as many drivers, and I expensed with that the expense of the content of the organization a considerable washed labor and menery. One divisor can late charge of three mules, both in the lines and on the line of march, but he must be supplemented by portions of the bearer corps attracted to each division, two bearers to every three mules to assist a leading the number as well as to cruy leads, and on the march to well, in ever of the three name, thus leaded to keep them up to their driver, and assist in all eventhies on the march. A driver will not carry a load, therefore in Abystian I lest the pry and carrying power of two men to every three males.

(a) Director at army head quarters during peace, a sub-director at centre depôts and stations, others regimental or according to requirements. All officers, when being trained, to go through a short.

course of veterinary instruction

(b) Superintendents, overseers, &c, amed men drawn from the ranks of the army, and holding the positions of non-commissioned officers

(c) Ten per cent Europeans to act only as overseers or superintendents. drivers Natives enlisted from classes, recording to critic employed , leaders, greasers, line cleaners, &c , from the coole bears corps, according to requirements

(d) Similar to corresponding ranks in, or attached to, the umy

- (c) Che op, and this durable material mails loose with guiters for all mounted men
- (7) Brown leather shing earlunes, pistols, and swords for mounted E repeans, Native overseer, &c., pistols and a useful weapon that could be used for cutting wood, such as a linker (as worn by Goorkhas) or proneer swords

(g) According to cattle available
(k) This must depend upon the expabilities of the country in which located, unless Government mule and bullock farms are established (i) The cart and hames of the country in which located and where bulled s are used

(j) I prefer the Otago saddle to any other When bulled a ure used as pack animals, of comes

the ordinary pad Lieutenant Calonel

I tegret that I am not sufficiently acquainted with the subject to Η Purker 92nd Highlanders answer in detail

(9) Wheeled for the plans, pack and coolse for the hills (h) Camels and males

fri Country carts (1) Country-made saddles

Major P Stephen, 4th Batta Iron Raile Br gade

A transport department to be formed entirely sepu ite from the commission of department.

(a) Chief transport officer for India.

(6) One for each division and brigade, and one European and one Native clerk

(c) One officer and ten men per battahou

(d) Tun unable to mike any suggestions under this head
(e) Same as for rest of the army in war time, with a distinctive badge
(f) Carbines, brown leather appointments
(g) Milles, supplemented by the larger mules drawing light earls

(A) Mules Harness of English manufacture and made to be revetted where practicable (not seem)
 The ordinary immunition saddle with straps

Major Hugh P Pearson, 12th

I have already said that I do not advocate any change in the exist-

mg method of procuring currage for the use of the through in India, by I think that there is room for much improvement in the updaetted of I think that there is room for much improvement in the updaetted of India as the frumework of a system of carrage oven procured I nould take the movemble columns of amprove them by placing them make regiment I appearance in the updaetted in the column of appearance in transport and his assistants. I presume it will be sufficient if I give a room checked of transport and his assistants. I presume it will be sufficient if I give a room about First, filter, as regarde—

(a) Officers

There should be a superintendent of transport with two assistants whose duties should he to visit all stations where moveable columns are maintained, and to satisfy themselves that the carriage was in good working condition, and that the subordinate officers and men employed in the trunsport department were acquainted with their duties. Advantage should be taken of the azaral manocurres of columns to see the men and cattle of the department at work. The superminutest should have in his office complete information regarding the amount and descript on of transport available for line or impressment if necessity arose in every district in the presidency, so that expansion of the iransport establishment might take place rapidly and with cartainty

The superintendent should command the services of one or the veterinary surgious, and these

again should have salutris under their orders

Tack battery, regument, and taleament should have ste quots of the move-the column carraged the statuto, and should be responsible for its care at all times. An officer would be detailed in one companion of the supervey, and he would be assested by selected non communicated officers of men. Pennoners of good class test, at for worl, might been find employment. The reguerable officers and men should be paracle-villed to-length off the rawy of each rank might acquire expressed.

(b) Nature and position of inbordinates

This is partially unswered above Amongst the Native followers would be found some less oblives and dense than others, a proportion of these would be selected as mates, sudus, &c

(c) Men (European and Native)

Europeau these would supervise One non-commissioned officer for each regiment, and can private for each company would suffice Tor a batter, and for Nature corps in proportion Native these would be much the same properties as it is true to present, but do course the number should be fixed. One man would be required for 10 camels, or 3 mules or pomes or 1 c. it &c. | I is the course of men might be hired with the enringe, but reid by the State, the contractor, is now, being bound to exchange men or minuals unserviceable

(d) Pay and pensions

Pay the ordinary rates of their class for Natives | For officers other than reg mental such scale as Government might see fit to grant. You regiment a officers and men no additional p ;

Pensions would not be required under this system

(e) Cloth ar

This need not be considered except with regard to followers. All such should receive a warm out and a cool one both of khali. For colder chambes they should be supplied a th blankets and extra clothing

(f) In protendarie

For office s and sold ers those authorized. For fallowers zone

(g) Descript on of t exeport on to to-offeeled and cools be

This would depend entirely upon the local ty Ordina ily in the pla s of Ind a whooled trans

port and camels would form the principal carriage though a Central Ind a where ro de a e few wheels could not be taken and elephants would be better suited to the jungle and broken ground than camels

In Afghan stan and a m lar cold and mo this nous eo atnes mules and yaboos ha e pro ed them selves the best baggage-an mals and un hally count es covered with nery beary 3 agle cooles would be the only carrage that could be used

Any scheme of army trusport would of course he we ked out in its data is to gut the local ties that would have to be cons lered

(I) A stals to be e played

This has been al eady answered under sub head

() Not e of carts and her en

Unless the State was prepared to be if a owner of in transport which I do not contemplate the backer of if a count y a until have to be until the best of far general purposes. But I so no recommend the production of the production number of entire to be undil the production of the custs a (now so often sold for a song whilst th y have yet several years' light ook in them) and used for station and agmental work currying but dog mater if for jub o works department road metal &c. The harness would be Ca vapore made and on the English pattern

(j) Asture of pack at lelet

I cannot suggest any m her of those now n use which seem to answer the purpose. Under regiment I supervision the fitting of pack saddles would eccave attention and the e would be fey or no sorebacks

Capta n H M. L. Hutch sort I little (Propert of Well's Own)

I would be included to try the experiment of handing over to a regiment a sufficient number of single bullock or pony carts (specially built to earry about 5 cut evely to our give ything also ved by regula-tion and have the men taught to drave and look after the tion in the field Tollowers would thus be abol shed and escorts ould be unneces

Captain R H Farrestt 33rd

(b) In the ceded distincts where the regar or black cotton so I me espec ally thack adhes we often man and treachers of for my movements are cast the country or off the metalled reads year blacks as used in the Mah wite and Mysser, was or code a would form the only trunsport.

that could be employed except for your pleast time. Hence and must and deep atto the roll is one above could not make deeper going than any pleagled field a Diaghand and whelefeld ratio to roll is one above cotten makes deeper going than any pleagled field a Diaghand and whelefeld ratio to roll is one of the quast on than As the go must fifter a most each to go deep is at greyer must so and not not to be on the Although in the hot had cold excess pones on makes and even will seld in girls be employed by set the world to a... it would be ob only dingerous to ente on a cinusage u this pait of the country with transport that majit be brought on standed liby a leavy she er of ma. This coes not of course upily to and the loads with the ear for and of a least of general may not ere as the large with the ear for and of a least of general on might not impose to coincide the lates. The fact only brought forward as an assime of the necessity of an atom of tampo t in directly not put for fire neutral part of the county is one mander parts of the attern that buy are who ken't up tampos for our in for more wears are almost entired as a class. Leaving been bentom out of the no d of comme e al enterprise by the metalled roads and the mulusy

C log IC 1 O Reas Com I cannot suggest a yill ug of the kind in the would not be another un wing Roya Artill y Merret | easy stein of expend ture wided to the mal tury budget with out corre spooding ulvantages

Le tenant-Colon ! H S Comm nd R ya Artille y Thayetaye

I can only mention what I belie eall are aw re of that the Ger mans reg ster the horses curts &c that could be made a a lable for tunspotin in mey town village of am Hith Signet Welleleys Solers' Politheeled entenisgien of companse of n my sairs a comps under comm wir es a loft the descript on of carrage

suitable for he se draught. He states that he wide the close of the Ame can war pearly all their transport we get every selection and the state of the states of the Ame can war pearly all their transport we get every selection as less of early one must who made for critical The called in 11/16 in afterwarts in 11 lily countries the states 15/14 regions with plote day by two journers and not less. The Zerburd Ge exist used in 1500 and 1501 are one; rof lecto es that to become one be gran fromt of the siriffa bore as lade. In India the transport pieces to be pe formed by bull else but army service comps compraines can be charge of

block et a tid decent the vide up thems of the can

He is can tid decent the vide up thems of the can

He is can tid control N Provenskys He got a poil led a 1876 to I I I 110 and I I

has a strict a let's now one that would not be the Vangool loss. He year of the value the

aver going it is by your proven that there I en large the centions and sings. The just extra worder? 1 po e of each tensor remain any east in the open in extrance so I wall content in given set est if on the between the bill have [And I r g a ke]. I be the food accumels in mater has soon extreme the bill have food the public will be been other lowers board. pensh in a month's time. They coam almost at liberty over the pasture-lands of Northern Khalka and the country of the Chakhars

The great tree meeting is held at Urga, attracting competitors from many hundreds of miles. For transport in Afghanistan these losses should be most useful, could they be obtained"

From pages 120 to 131 of the same volume an account as given of the two humped or Bactran cumel. At page 122 it is stated. "It cumot thank without salt, and cuts with widity the white saline efforescence called gudga, which covers all the mushes and often exides from the soil on the grass steppes of Mongolin

The absence of gudpu and salme plants probably explains the reason why they cannot hive in good pretruc-lends in a billy country, to say nothing of the wink of a desert to roam over in summer."

Instruction might be given at the gaineou course to all officers in anything specially bell aging

to transport necessary to be levent, and those who apply and are recommended could be attached to the communicative department at stations that we distinct from any of those where large transport The commissions upperforms to access many to uncernational my or more larger and the control of estimated in the property of quarrying to employment in the set the environments south no increased to have a manufacture of the property assistant commissions; general. It would appear to be lest in Islan to have non commissioned officers and more of environment and unimary of the Disspeams gone from each engineering interested in turnings at work. The Making perform coal probably be consumed for the more forms and the property of the property of the property of the property of the property of the more forms and the property of the pro but harders and names and non commissioned officers from Native caralry regiments might be attached for short periods to transport establishments. Sir Garnet Wolseley recommends central fire revolvers as the only weapons to be carried by transport corps

Major H C Lowes Command-ing I let Royal Artiflery I do not feel competent on such short notice to draw up a scheme for the organization of such an important department

(e) The officers should be good languasts, and selected specially for different qualities, such as however, and the selection of the particles, knowledge of animals, their cayabilities, subpents &c, cryenty for organistics. Those who no good spottemes would be useful men generally Captians should be enablined for large dainges, having substitutes under them in charge of small deputs and statogs. One officer and lower in 17th than houtenest colonel as supermisedent of trusport for each column, with an assistant (of any runk) to take special charge of the office work

amendmin (at my runs) to the Special region of the Conference of the Conference of Schoolship of Schoolship and the Distriction on commissioned officers, but only those most specially recommended for solventy and moltiagence should be taken. They must have a collegath knowledge (good) of Havistania. They would make as warrant officers and not under the sublishment officers, but would only be required to tile the read on emergences arrange. Under these nearly to make the work of the conference

&c , on the road

to the or ward (d) The draves would be ordinary Native followers, but enlisted men (d) The pay and pension I would regulate by comparison with other branches already ordining (d) Clothing, khaki Norfolk pad et, lareletbockers, shooting boots, graters and turbin, for all

ranks , officers having distinctive marks-gold shoulder cords

(f) Tempment and arms, Sam Browne belt, hight cavilry sword, and large bone breech leading pisted double barnel, or accolver leather have seed, and sedanates bottle

(a) Prod-bourse position, makes, bulleded, combit
(b) Prod. homest position, makes, bulleded, combit
(b) Prod. animals might also be used for druggle in light cuts. Mailees pattern, capable of losses
taken to passes and pail of on the number in case of emergency would be useful
if would suggest too that all commanding officers carbing horses should be called upon to the

whether my horses they cast would, in their opinion, be worth keeping for transport uses at deptits of at bases of operations

Although no longer fit for artillery or carally purposes, many such horses might be capabled performing good work in such a way. They should not, knower, be sent on the sarrels. I think breat harness and naw hade twees, such as are used in South Africa, best

Major J Hanghton, 18th Royal Artillery

(f) No better pack saddles on he found that the old Bengal within for haggage-amounts with mountain batterns. There is an opening outside each and through which the stuffing is easily removable.

Major W W Mardoch Com naoding E A Royal Horse Art I

I must premise my answer to this question by stating that I have never had any experience with an army in the field, and therefore my remarks and suggestions on this subject cannot be of much value Irusport I should say, must be divided into four parts. I would

dreide it thus -

(a) Regumental (b) Commissariat supplies (c) Ammunition columns (d) Reserve supply or general transport

(c) Commissions—signess (i) the which a size he was company to general transport (d). In expension it we make the which a size he was company to regeneral to the field of yell day, and would include courses for tends, corring utness and personal baggage of officers and many real many that the property of the suggest, the, on a sun scale should be lepth up in peace inno, and at it times be in charge of the regiment and thus it would be to the instruct of every regiment to keep that transport in or efforced a sixth one possible.

This carriage with all the animals should be placed under the charge of a regimental officer

(a subaltern) I would recommend that be should receive some staff pry, and he might perform all his regular regimental duties. There is sericely a regiment in which an officir both willing and expalse of performing these duties might not be found, and in a very few years there would be a number of officers in the service who would have a good practical knowledge of the animals used for transport purposes

and capable of treating all minor adments, especially galls

When a regiment was in the field, the only transport that would accompany it actually on the line of march would be the immunition mades and a mule to carry such things as are required by the medical officer who accompanies the regiment. These mules should be under the charge of the regimental transport officer, who could keep them in any convenient pl ee for supplying ammunition when

The rest of the laggage could be left to follow under the charge of the quarter master of the regiaccording to the orders that would be asseed by the officer enomanding the brightle or division I see no reason why in peace time the regimental transport should not be available for all the

duties now performed by the moveable column

With the officer in charge of the regimental framsport there should be a young officer associated, who aspires to fill the appointment abould it become yearst.

A sergeant would be required to not under the regimental transport officer, and a junior non-

commissioned officer, who would be learning the work and gruing expension.

In the event of a war, ill the regimental transport efficies of these regiments that we least likely

to take the field could be ordered up for employment in the general transport service, and thus a great number of officers with a cortain amount of knowledge would be available, the only extra expense to Government being their travelling expenses to the seat of war It might be made as a condition of accepting the postson of a regimental transport officer that

this officer should always be required to do duty with the general transport it his services were required (b) Commissional supplies —This would include the whole of the necessary supplies for the army, both for man and beast, and should be estately under the control of the commissional department.

It would be scatcely necessary for all the animals and carrage to be kept up in peace time, but a nucleus would most certainly have to be lept up, to be moreased by purchase or hire in time of war (c) Ammunition columns—These should be entirely separate, and should be under transport

officers, assisted by others driven from the regimental transport service.

Of the constitution of these ammonition columns I have treated in an answer to a previous ques

tion, so it is unnecessary to repeat what I have said there (d) Reserve supply or general transport - I feel sure that on a campaign where the line of communication is a long one the only system that has a chance of success is that of portioning the road into stages or marches, with officers stationed at points on the line to superintend a certain number of

stages or marches Four stages would probably be sufficient for one subordinate officer to look after

Each station where those is an officer should be a small depot with a few spare camels, and there should be some means of treating such anumals

A superior officer should be appointed to superintend the working of a certain number of stagesabout 12 He should have a larger depôt under his immediate charge, and he could visit all the stages under

him once a menth

The amounts employed on this general service should remain always on the same stage trivelling backwards and for wirds. The aftendants would then be able to but themselves, and very possibly make a shelter for the animals

Should to be possible to obtain earnage along the route, the owners would probably be glad to ply for hare on a stage mar then own homes, whereas they might be very unceiling to send them to a distance, besides, according to the system, contractors bringing a large number of camels would be

enabled to look after them to a great extent theraselves

I have answered thus question generally, as I feel I am not proputed to go noto details. Should a system cometining like what I recommend be thought of, I chemic say the details would not be very difficult to fill up, and they would have to be modified according to after experience.

Major T M Hazzlengy Com-monding E Sed Royal Artillery

Assumeng that as a country like India a movemble column is a nester-sity expense, I would suggest forming all parts of it into sounds of from 2s to 50 memols, and filling each spaid up to 100 to 200 from centage in debate, a most could'regater of which checkle be kept Each owner maght be given a metal label, also a small returning to (though I should thank the latter would be hardly necessary)

b -A surgeast for every 3 or 4 squads A jemadar for every squad

e —Nil

d —Relative rinks in army
e —Distinctive uniform, plans serge
f —Sword and revolver brown heather belts

-According to nature of country, cookes only when no other available

According to nature or country;

 Whatever district can provide
 Light 2 wheel carts, if possible service wheels

. Those in use with engineer train

Major the Hon ble A Stewart, Commanding I C Royal Horse

I must state that the following suggestions are based upon a preconceived idea, never thought out in detail, that the whole army of India should be divided unto complete brigades (three brigades to a divistor) .

(1) Each brigade having a complete stall, brigade major, deputy assistant quarter-master-general, and heads of departments

(2) Brigades to more in relief of languages instead of regiments and batteries independently.

(3) Transport to belong to, and remain in, the district

(4) Native followers also to belong to, and remain in, the district, accompanying regiments of brighdes to new station, and enther be exchanged with those of rehering brighde when met upon the march, or to be returned from new stateon. Glass cutters to belong to and have in the arrange values of the distanct. I think each brigade would thus be efficient. Officers and regiments of both British. and Indian so vices would be thoroughly intimite, and fratering more to their mutual advantage and that of the service

My experience in the two short compagns in China and Afghanistan has convinced me that the more thoroughly Luropeus and Indian regiments are thrown together the better. At present I from there is justousy instead of friendly rivilly

Premising, therefore, that a complete bugade is stationed in a district, and has to be provided with transport to render it efficient-

Transport will probably be of four kinds-

(1) Permanent, the property of Government, to form the nucleus of district transport when mobilized

(2) Retained, the property of the inhabitants of the district, retained by fee for mobilization

when required (3) Contractors (transport), the property of Government contractors, regularly employed on district worl s, to be used when necessary, the contractor being bound to replace it by other transport upon smergency.

(1) Computers, the property of the district, to be supplied by these villages who do not furnish

their full quota of retained transport

I regret I am not acquainted with the laws and customs of civil administration, upon which the feasibility of my plan must much depend Still as the Punjab is, I believe, divided into-

and each tehal has groups of villages under zaildars and lambordars, it could not be difficult to organize some method of obtaining transport in each district of a division. The quarter master general's department would know the requirements, the commissioner of the district would probably know the powers of supply

amony was power or supply.

First, nelser young officers, who being of notive habits are deemed suitable, as desired trumped efficies. Probably two would be sufficient. Let the source, if possible, obtain the services of seas English speaking Natives, who has other himself been a large contribute, or been employed by a long contribute, and all the evid advanctes also founds an others to asset. Let these others was contribute, and

distinct corefully, and ascertain the number of-

earts, and vehicles vivalable in each village and afterdae consultation with the Natives of the distort they could arrange the retaining-fee to be paid. Amusales and earts retained to be numbered wit dotated, a Netwe in each village being responsible for those of the village. In many village to doubt personners of the Government would be found for these posts: Indeed, it might form part of the stipulation for their receiving pension

Flaving ascertained the amount of transport in the district private property of villagers &c., and of contractors, see what would be offered to be "retained" under certain conditions, such as these-

and a contribute see what would be outered to be "returned market extend contributes a getting time."

(1) The be marketed in that willbeggs aparticiply by transport officers, well send decomplere rule to be compared, and notes made as to efficiency, animals temporately inefficient, if slave, to be considered efficient if the same owner only produce abother.

(2) To be mustered at head quarters of brigads or wherever the general may determine and all j, and mobilized for a few days if necessary, when they would be paid then retaining fee for part

year and the hue for the days of mobilization.

These sums should be liberal. It would be economy in the end, and make the transport service. popular I do not know if there is any tax in any district upon animals. If so, a revision of this tax, or part of it could form the iclaiming fee

When permanently employed for active service, the number should be bought outnight at a pro-determined salactics, the owner finding duriess, who would come brisk with the number to their village at the end of the employer, it being then optional to the owner to repurchase his animals (it a much reduced price) or not

The question of the permanent transport is a matter of money and experiment Money, because the cost will depend principally upon the amount of permanent transport to be

Lept up Experiment because it will depend upon the amount of use which can be made of the permanent transport in time of peace, how much of the cost will be recouped

It will be for the clover district officer to leep lus transport effective at the lowest possible cost, and his promotion and therefore remuneration, should depend upon this

Having ascertained what transport of the four kinds are available in his district, he must tell off a portion of each kind to the various departments, and regiments of the brigade, making use of the regimental and departmental transport officers and their submidurates to assist him in earlying out details

As long as the transport is not mobilized, all his department should be under his orders When once moinized, the departmental and regumental transport must be under the orders of community officers and heads of departments, and the destruct transport officer becomes only an uspector, the assistant district officer remaining in the district collecting and arranging for reserves to supply casualties, acc. It would be premature to propose a plan for permanent transport. The schooled (1031)

transport officers with the assistance of some of the largest and best Native contractors should do The getp neile would appea to be-

Always adopt local mea a and adapt to Government use

Loc I means a e ge enalty best e g He var ety of vagons and earls employed in the different parts of Greet B stam and Irelan I and all the four quarters of the globe which are always found most suitable for the particular dastrict in which they are used and for the animals that draw them

(a) Commissioned (d stret) (regimental)

(b) Non commiss oned European and Antise

ic) Selected sold era

To be determined by transport officers but to allow no Native to be armed who had not previously served as a subder

(g) According to district. The means are lable in the district to be adapted for Government mil tary pu poses

Datio dulto datto Datto

(f) This save y important and difficult matter about which I only know sufficient to know that I am not competent to offer an op mon as to a pack saddle for general and permanent use but

aga n I y adopt and adopt local mack suddles Let me here give the weights of the siddle and equipment of pomes attached to me at Ganda-

mak and utterly unfitted for anyth ng but a very light load-

lbs oz û 8 Pad 10 R Siddle Jowl and roller B a 9 ò Bridle and I eadstall 9 8 Pacing lag Teed ug elet! Head chain and peg 4 å 12 C Heel chain and peg Total 57 10

Add to this weight all title food for themselves and draver and the amount of the latters own hit wi ch he yould be su o to make one of them carry and to il leave very small allowance of weight for tile load

In concl. ston. I must add that I think commissant than sport should be quite separate from other t at sport on all occes ons. It will be for the general in cach hetricate determine in conjunct on with he district transport officer and resistant commissary gene at from which pait of the district the commissiont i ansport a to be r to ned

Of course the comm sea nat will also be able to indent upon the tre spot department for some of the permanent carriage from time to time the same as any other deportment

Men & B be no Fig A most but true part department or corpus at the of passe corpus of extension when required to ser on Part of this establishment to He to Artifery

be kept up permanently meach station and attached to regiments (a) One director for cich army corps with a sistants (permanent) for dryts one and brigades. Each regiment to I we one officer each battery one non commuse oned officer.

(6) And each regiment is less other texts consequently use has common actual success.

(6) And each regiment is sleated it non-commissioned efficients. These regimental officers and non-commissioned officers while employed with the transport copie to be struck, diff the regimental duty, and to be deviaged per of cells in so that a general twilege of transport duty management of the name; has should be diffused throughout the unity.

rins we succein to unusure to repet out it or many (d) Not we drive a mil letters file only as mine i Du opean and Notive do not answer (d) Special staff pay for director and a stants Regiment all pay and pensions for the rest is at present with working pay from four aims to eight

annes a day while couples of secretage to rink or posted.

(c) Regument to Lughel off ever and non commess and officers. Not use as for drivers in Native britieries of artiflery, on the whole might have a uniform based on that of the army service corps in England

(f) As for drivers with Native batteries (mounta a)

(g) & (/) For all work not netwally in the mountains two wheeled earls drawn by horses or bullool's to mon tains prol carrings o mules

(i) Two wheeled cart's not because than 7 or l gl ter than 5 ewis. If for lullocks the ord nary

() If mules the usual pack stable of most recent pattern

Major P FtzG Gallwey Poyal Art llery

This is a large question and I really do not feel competent to unsuer it wifl o t more information flam I can obtain a to present and without some data to go a pon. As negatile the organization of the army for va -I mem a def te organization-I will endeavour to offer a few

general remarks I would only organize a paid of spatem for one amy compa of 20 000 means the Punysh and for cook of a constant a small Remarks a feature to be of the person of and after of one for three crules figure 1 mint sindle for me to

have some such a tem as the folloring In the P yels to carmy the thry down wheat an army comps of "0 000 men as to con ast of calcu late exactly (having regard to a campa ga anywhere west of the province) what number of ammunition wagons, country caris, carnels, males, and pomes it would require to move this, lay down the rendez your for each division or brigade, and hence the centres where the carriage must be collected. Let the reasonal have the paper valued and amount of amountain suggest, amountain the paper valued and amount of amountain suggest, amountain the same amountain the paper valued and prek saidles in stear for the corps, let each military district have, anger mandant of transport or commession of elements of the amount of correspond and the corps of the amount of correspond and the corps of the amount available in some acaseon, in the season-case was use ever vancouses concerned to express the analyses of certain and among lege of a-bids, also let Government encourage the length of the bised and stock. Railways are reach agonet thin, and benot I would have no derest hime in the P taple, only treat, there is not a record to the season of Keinbright and Astocks and one found Indultiva to Feroscopit tried into record for multiury purposes the set of the fasher. I would propose that exists may be proposed, but the conditions, and the season of the certain large proposetion. Notice the conditions, and the conditions are considered as the control of the certain large proposed them to be purposed to the conditions, and the control of the certain conditions, and the control of the certain conditions. ply of curage in their own districts

(a) & (i) Now as to organization. In power time have a transport officer in each military detries with above duties, also with a complete knowledge of the whole machiner; in case of a mobilization Number of animals and carts required from him where to concentrate, how pick saidles to be obtained, &c Let hun have under him one Native officer and one European warrant officer to be thoroughly conversate with the details of modelmattor. The forener cand seast lim in the district very latter of all writing, for According to my system of having and district in seeds army-copy flas would give an office and two assistants par largues on mobilisation, which would be enough I than, applemented by a few European warrant and Intere can commissioned officers. I am of opinion that a superfluity of officers for the transport is a mistale they are above the work required of flam.

Further that all officers employed on this service sloudd belong to the Native army and have presed Frontial and in distinct analysis of the services found people of the Times and a miny and party press the higher standard crammation. It is worse than a farce employing young officers of British regi-ments for transport dittes. Much brother and medicate are the results. Officers and non-commu-cent different employed absolute be melwised in the communication of department and mader the superior officers of the same, but termed "transport branch".

(e) I nould have no Europeans employed on the transport except officers and warrant officers The man should be the curtanen, camed drivers or mulcicers who own the curtage, which should be purchased from them on mobilization (money sent to their districts if they desire it), and they should receive regular pay like my other followers. After that, at the conclusion of the war, they can take back their carts or animals on repayment of the price paul, and setura to civil life, allowance for weir

and tear being made

(d) The commissairst rates of pay to regulate that of effects, warrant and non-commissioned is Same as regards pensions. No pensions to be given to drivers except for wounds, or to ich offices# tions if they are killed

(c) When the number of earts and animals is settled, every large commissariat station in the army corps command (or the arsenals) should keep in store a small supply of narm clothing for these men-

a kind of uniform

(f) No equipment or arms sie necessary for the drivers. They use, or should be always, protected (s) The transport of the country must be made use of. The only wheeled carrings allow like void be for ammounton columns, yould ratherly argone (partially only), and for general transport yatfy

words upre laneauguane at leadings the one (1), & (1), (1),

Major W H Noble, Royal

Transport in India will always consist, as at present, of-

(I) Rail

(2) Wheeled carriage, Government property

(5) Wheeled carriage, hared (4) Prok anumals, Government property, such as elephants, camels,

bullocks, mules, pomes, and douleys

6 Coolies

To suggest in detail the framework of a transport system sumplie for the various parts of Inda would require a much fuller treatment of the subject than evo be given in a brief paper of this kind It is a question which should be werked out by officers specially appointed for the purpose

Briefly however, I would suggest as follows—

(a) The officers in time of pe ce should compute a director of transport for Iniha assisted by a small staff and by a surtable a unber of district a perintendents with probationers attached

smant sent one of a streets, a more or marces a specificaneous with post-amount action of the first three of war it would be necessary to draw officers from the range penettly, but considerable absences about the excepted a change or to fals a young subtract from the third argument, being up nothing of the language with no experiences, and no qualitations except's deture to get to de flow, and to put that officer as a responsible position, where for throught and self-relation or reported to the work of the way of the better than the contract of the penetral penetr

A transport officer has particula by onerous and responsible duties to perform in t me of war, and to enable hum to carry out these duties efficiently, it is exceedingly desirable that he should lave had

some experience with respect to them in time of peace

responses what respect to occur in time to prove (b) S therdmates should be Europeu non commissioned officers and Nat. we overseers (c) No Europeu men should be employed, all divers, &c., should be Vitives (d) Pay and pension might be settled on the same scale — so now allowed to commission of department.

(c) The nature of clothing might be based on that of the army service corps at home

(f) Brown leather accountements, saouds and revolvers for officers and non-commissioned officers, tulwars for Nature subordinates , no arms for others The description of transport suitable will depend upon the nature of the country

Rail will be used wherever practicable

Next to rail, wheeled carraige is best, but its use depends upon local conditions

(1013) [Appendix IV.

The main advantages of wheeled carriage are

1) A comparatively greater load can be transported in this manner by the power applied

(2) At the end of a march the load need not I e tal en out of the eart

The latter is an immense adventage on service

The employment of puck animals or cookes must depend upon local considerations

(/) Bullocks for earts, Government sumuls for reg mental transport, Government, bired, and

contract animals for supplies In many cases it will be found economical to contract with substantial Native merchants for earrage of supplies payment to be made on delivery. The Native made or cutted once will work well for the Native metahant, although he may be verse to well use on lare under Government officers. The reason is obvious. In the one case he deals with groups and wants, and is largely and wants,

and he is permitted to make his own arrangements on the manch, in the other case he is hable to be misunderstood, abi sed, and hustled

misuaterstood, on sed, hot. Session in lightness with strength, but it as fital rustake, and one often following the strength to lightness. Wheels arktices, and veleter-beds require to be strong and well constituted to stand the messant jolling over held rushs. It must be bosen in mind that case of faught, which is the man facture in a wheeld violate depends upon stability over more than in lightness. A strong although comprisintely hours, you then beforem with greater exception one in which through inherent weakness. He wheels would be short, and are out of stone. A charp cart,

which through melective was the traces whose works, and are not or super. A completing, model up for the cosmon, is an antestorough up disburstle) expensive which Across the freuther all wheeled a range should, if I possible, be Government reporty. Bullocks bould always be oneployed when speetschale, as the ordinary simple yoke cent them he need. This employment of posses or males for drught accessatiots branes, and the provision of it, is, the fitting of it, his kepting it in order, and the review is to quite on the manch, estall model bloom and expense.

[j] The Puny b goar, we modified by the Simil Committee of October 1879 and Quetta Commit-

tee of August 1879

Captain G C Buyly 18 8th I can answer questions 7, 8, 9 and 10 (as regards general principles Resal Artille v

only) most conveniently together In the time of peace I would have the whole trunsport under the commissional. In the time of was the transport of an army in the

field (the annagements for troops not in the field to remain unaftered) should us the first instance be rused by the commission to but as soon as the troops were in motion, the transport (all of it) should become a separate legaritment, with its own director (or other chief) the transport (iii or vi) anomal comma a poperate againment was into own amount (or outer convey at the head it to command, see, possible and every poly one and elving orders from the community or in that [of the stope as the field]. This commander is closed for other general communities should have two with officers, to be dyshed interests on applies. The direction of simples would be officers specially "uppeared to the post which would only over dark anguing operations in the field Excit general with that direction of simples—one with him, one after the simple of the command would have two directions of simples—one with him, one

at the base of operations

Thus in the late. Afgirm was these would have been as directors of supplies—the for each of the three columns. A director of supplies should be most executify selected. He might belong to any corps or branch of the service, will be of any raing such below that of eagern. It might be seen entent for him to be of the same runk as the sensor staff officer serving in the same column or a gride lower. The whole direction (not the administration nor the discipline) of the trunsport should be under him. He would receive orders from the general (I am here specified of the director with the general) install or from the sensor staff officer as to the centing distribution and problem severents of the troops, and should be formshold by the heads of the venness departments whether stuff, community ordinance, studied or trainates by task letter of the venture depertures. We whether strit, combinewirst contained, or furnate, when it is a finished production of the troops, their problem constructed in the content of the troops, their problem conventues and non-specific requirements and the means verificle and it liety to be virtuable for memoring door requirements. Then inherence, and throughly have problem of the content of the supply of transport is not equal to the demand, who is to decide on the raid of ms of the various departments, each builthly carrous for its own success, and naturally indifferent to the success of other departments who shall decide whether 1 000 camel leads of gram or 1 000 camel leads of unmunioperations who shall doubt whether 1000 cand loads of grams of 1009 cand loads of transmit-ted me nost varietied (1 an personney faint think is not mough earrage to this?). Observably some one who is not the waste, standard probable, of the earny avergentle both food and attenuation and the neutron scatter or probable, of meeting three wants. The decrease shadle also be left to my officer, however this, who is personally indeveled in the success of one deportment more the worlder and house vide, who is personally indeveled in the success of one deportment more than who there is no not that. The direction of any other large three the median plant the transport for ill services, meanly falling the direction of temporary to, the responsibilities to allots on may carts, curely, makes, colors, for, in each indepartment for each along, on the completion of which the transport well. bosons as subset of the majesters for fining using, on the competition of which the transport would become a subset for majesters, a director of supple ets. Kendister neglish others director of temport at Duder was follows. *No temport to be added to ordinate the derivate finite time of the supple communication desired as fight? or *Notice consists regardly required, thus were defined, give procedure to all desireds for current for these. *One majester with offset 300 cannot be within the continue and to consume and, because it to the departments concerned, to led those camels as they thought fit. Of course he would inform the departments concerned of the orders he had rested or was about to issue for the affortment of transport. I do not think that transport should be allotted to any department for any great length of time, as the requirements of the service may very upudly. The distribution of transport will, of course, be affected by any extensive movements of troops, accidental losses of stores by fire or by the enemy, unexpected abundance or failure of local snt plues, &c

As regards regimental transport, I think that if a corps remuns on the same ground for more than, say, 48 hours, the whole of its tamsport should be it the disposal of the local triusport officer for any public purpose Of course, if it were known that a corps would certainly resume its march atter a built of not more than three or four days ats transport should not be interfered with, but when further movements were distant or doubtful, it should not return its transport in illeness, while the trues out department in general might perbuse be greatly overworked.

I also think that at all events on service Government abould provide all carriage required whe

ther for individual officers on the 4 this own expense. It could then allot carriage exactly as it hought proper, and the animals would always be available for any public purpose. I have seed as ablest book that during the number of 1856-65 in the Compens was, while curinge was so some, there was literally hundreds of baggage-immals belonging to officers doing nothing, because they were private

property This should never be.

Before quitting the subject I should add that if the system I advocate for having directors of supplies) were adopted, all indents whatever for transport would go direct to the transport department, supplies when reopized, at moments waterers no tempora is out go direct to the transport deportment, which would comply with them sholly practively, on not will, in conformative with the means of their disposal and the traditudents received from the director of supplies A director of supplies and the beautiful to mapping the the absoluble measures, but I faint it beliefer to have one.

Of course, the functions undested for a proposed director of supplies might be exceeded by an office beauting undester title. A commission of one might be due very on an officer of the queries mississegeness of department. Whence the might be in two well be necessary.

that he be responsible for the efficiency of every part of the service, of every department (so far as it depended on the supply of (ransport) alike, and not of one more than another,

that he should not rates fore with the working of either the transport or any other department, except as regards the allotment of the transport

In short, the duector of supplies is a traffic manager only-neither more nor less, not a commanding officer not head of a department. He is only wanted when the demand for transport outstrips the supply

Lie stenant D C Wate, R 4., No. 4 Hazara Mos stain But tory, Poujab Frontier Lores

(a) Officers -In time of peace, I think the only officers ntcosts to be left up on the frame, a sinus are only fittens it we easily to be left up on the framepor establishment would be one per drawnon as sole charge of the general frameport; regiments and to a particularly carried the greatest has port; regiments and the greatest when on setting the gas little the require monds of the regiment when on setting, being supportunited by regiments of the greatest when on setting hand gas and dissonal frameportunited for the greatest consistent of the support to make the greatest and order and dissonal frameportunited for the greatest and the greatest and order and dissonal frameportunited for the greatest and the greatest an officer

This officer should also exercise supervision over the several regimental and departmental true ports in the division, the interior economy and pay of all such being in his charge, monthly bills being ports in the division, we means exceeding an app or an approximate away mass elegation through the different regimental of department of the different proposed and department of the different temporate. This officer should be a proportionate with of the momentum of the commissional efficer special to a cust this officer there should be a proportionate with of a non-commissional efficer special of the mass of the secretary and a complete establishment of musicae, mushes, and a complete establishment of musicae, mushes,

farmers, and salutors

(c) In my opinion, no intheir Leropenes would be negerary, one Native to every three miles should be allowed, to be reseased to one every to swelte as source

(f) A period need be the only additional arm of component for the Divineans

For the Natives, each man should be supplied with ashoulder belt, waist, and sword. The pattern resued to mountain betteries is one well adapted to Natives. The Natives should also be provided with a canteen and haviesack

(g) & (b) In Upper India the principal transport should be will transport, and camels for the general transport only. In Lower India wheel transport might be more suitable, the country temp

more open

The Government pattern mule saddle should be universally adopted with genr for loading complete, see, pelectains, franges, ropes and streps, proking G S. A proportion of each of the above would be necessary to allow for the different decemptions of leads to be curred

would be increasely to move for the consents descriptions of foots to be extract (1) The press, pail seddle as send by Government multon in the commissions is well adopted to the various leads that have to be extract but it requires great one in long lept properly civered and the pedding good. Improvements in gibt to make 4a mail cost, whereby this reddle could be taken to praces with greater ears, and be therefore better able to be lept elem. The puttern of large scalable used in some of the monitum betteres, and however, and however, also make the safety is more sample in the construction and better sarted to peak namely. The cancel gaths is the safety in the safety of the construction and better safety and however. invariably in use, and answers its purpose very well, but the stufing requires care and constant renewing

Colonel H Gough Command not 12th Bengul Cavalry

I have not entered sufficiently into the subject to be able to suggest m detail such a framework of transport establishment as proposed in the question, but doubtless some arrangement should be made by which an army transport should be rendered efficient in time of war, with the least possible expense in time of prace. I moved, however, with the least possible expense in time of prace. I would, however, suggest that the transport service throughout the three presidences be under one system and administration, divided into four circles of transport corps, a. --

2 for Bengal

1 for Magras 1 for Bombay

⁽a) One ductor of trusport attrehed to the quarter mader general's department to supervisor the whole form encle supermitendents, and a subordinate officer under each, with a personal as istant to the ducetor

(1015)

(b) & (c) At the disposal of eircle superintendents, each regiment should detail two non-commis-moned officers on I was men for service with the transport. Under these men would be the usual detail of chowdries, jemadors, drivers, &c , as now detailed with moverble columns

(a) Director and superintendents such staff pay as may be hereafter stated. Subordinates, European and Native should also receive extrain staff allowances.

These men would not be entitled to other persons then what they receive from their own reguments. (c) The Native establishment to receive a regular smt of clothing of a uniform pattern, &c

(f) Aimed with a tabear is ordinary count followers.
(f) Aimed with a tabear is ordinary count followers.
(g) Aimed with a tabear is ordinary count followers.
(g) On the frontier entirely males we far as previously, supplemented by camels. Lower down, where the roads are good, builded, surrage (wheelds) for supplies.

(A) As there
(i) Country carts
(j) The okas on pad, as used in Nature cavalry regiments, is best for all practical purposes

Captum M G Gerard 2nd Central Indea Horse

In peace, instead of commissionat department keeping up carriage, this to be done by transport town slickeon divisions of about 25 per cent of war facture being maintained. Wheeled carriage only to be employed, as a rule, but unmals to be trained and equipped for pack nlso

(a) I (exptain or field officer per division)

(b) 1 1st class warrant officerper division 1 2ml " 2 Std class warrant officers reheved annually 250 syces or drivers 5 nelbunds I carpenter, I muchi 1 salutri, 1 smith (200 carts-500 animals)

(c) 1st and 2nd class, European soldiers, Native officers, or time expired men Eurasius sligible for 2nd or 3nd class Srd and 4th class, Native soldiers of 15 years' service. 5th, syces, temporary

(d) 1st class 50 2nd " 40 3rd 30 military pension already earned. 23 4th ,, 10 (nor footing only) 5th Syess, Rs 5 and Rs 6 and clothing

Artificers, local rates

(c) Leese khala drill Hunguran pucket, plenty pockets, for all ranks Daropeans khala helmek, brown cords and boots Natives blues of khala paggran and lummurboned pyyames, Native shoes, and patters (f) Brown levilue belts bruss buildes Rejolvens for first four classes

For eyees light bill hoof canned on waist-belt for defeasive and foraging purposes

(g) 500 mules or pomes, 200 carts, nothing but wheeled carrage in peace, as the most economical. Three or four different patterns and sizes, adapted to various sized animals to be kept up. All animals. to be trained and equipped to entry packs also, if need be
(ii) Mules and tattoos of every size and description

The weedlest-looking 30 rupes I may tation, with one seer of grun a day, will carry two maunds 30 miles or draw an ella loud of six, so we should not confine ourselves merely to an ideal stamp of pack animal, but make the most of the cheap, service able mater at at hand

At outset of a compange across the frontier, all would probably have to be employed as pack-animals. Lut as the road was improved carts could be brought on

(f) Its far prioricable to have more small higher test, that can be easily helped over obstoles, than a smaller number of heavy expansively bosed ones.

For mules and larger ratices, very light Madisager store evers, of at most 1,000 liss, modified to fit the ordinary country rate. These, with a pure of mules, would contey 1,000 to 1,400 liss = 4 cannel.

lords. Over almost any ground a camel can truerce, and an the most ordinary country roads could average 31 miles per hour = double the pace of camels. When proceeding with troops in ordinary hey would easily enry the latter weight

Whether shaft or pole draught is prefurable seems open to discussion Personally, I prefer the isiter

For the smaller tattoos we should try some modifications of country ellas and tonget. At a pinch they can even now with one or two inthose convey 100 to 600 lbs baggings across country roads at double the pree of bulleck curts and both are empile of great improvements, being ill religion to baggage. Whether single or double harmess is preferable for smaller size should be found by experiment

(i) The Otigo, cut down from 27 to 20 lbs for larger atumals, and the common Nature char for titioos If the sendla, or pad of latter rustered of being one piece and resting on the withers is myle in separate pieces, and connected there by an arched tree (garant), it answers admirably, and can be made for Rs. 4 in any brane

It greatly quickers and simplifies loading, to have hight, open panners for store. These are leaded belorehand, and, being simpped together, are simply litted boduly into their place on saddle,

and require no further roping, &c , to secure them Brigadice General C J Godby I do not thank it necessary to have our general transport estab-Commanding Punjab Frontier lightment for the whole of India should it be decided to have a transport system separate from the commissionat

(a) I would have an officer of the quarter master general's department at the head quarters of each presidency in charge of the transport system, with a subordinate attached to each division of the army

(b), (c) & (d) The nature and position of subordinates, their number and requirements, much depend on the establishment it is found necessary to keep up in time of peace

(e) Uniform suitable to quarter master-general's department

(f) Butash warrant and non-commissioned officers should be mounted, and armed with sword and revolver

(g) & (b) The description of transport suitable for the Punjab consists of camels, mules, bullocks, and carts only while in the plants

(i) As any wheeled carriage would have to move on cross country roads ordinary two-wheeled casts, such as those in use with field batteries, would be suitable, but the Native eart would have also

Commandant Poons Horse

to be employed (1) Pack saddles such as are used in the Punjab Frontier Poice for ammunition are the best I

have seen The framework should be sufficient to provide for the require Incutement Colonel C forTouche,

ments of the Native infantry, and all British theops composing a corps of such strength as Government might consider it advisable to leep ready to march at a moment's notice to moveable columns or other purposes, and the whole of the arrangements should be removed from

the charge of the commissional, and form a separate establishment with a multirry organization. But scheme I am about to propose may be somewhat meomplete in details, from the shortness of the time I have had to prepare it, but the general principles are as follows

Supposing, is an experiment,-say for the Bombiy army-it was considered desirable to arrange for a force of say try thousand men of all nims. Raise a negment for temporal work. Place it makes
the commund of a cavally officer indexested in the work, and who would be deformed to make
the commund of a cavally officer indexested in the work, and who would be deformed to make
the commund of a cavally officer indexest in the work. Form the nucleor from volunters from the Native army, getting as many men as possible from the mounted branch. To save the cost of too many European officers, try the effect of utilizing largely the Native element. To induce Native officers and non commissioned officers of the right stump who would be the level bone of the yesten, to voluntees had an indecement of proceed on to main was worden for the roll once on the system, to voluntees had do be prometed a commission in the new transferred, where yes depend on one of the smooth office is a sharp to be prometed a commission in the new transfer by Dupta, combittant affects to the voluntees and the process of the p commandant 2nd in command, who should perform the staff du ties, and two subalterns Government commandant for in community of sour one personn the same uses, such as summer of commercial to provide dead stool, such as earth burness, for All the unusuits to be punchesed and kept up by sufficient out of their pay, with the one exception of elephants, which being voy expensive, it would be nonessary for Government to own, see a pleasant though they would be ritached to the transport to be looked after, and the mahouts sul yest to multimy discipline

In the case of direct for wagons each man would be a two horse silledar, and with his sice who he would have to pay humself look after his two horses. In a small unity a man would be made who he would have to pay hearest! Jobs sites he two houses. In a sensit, a very a man would be mide a salishar of to many numbes, or many cancels or cutes is the scross mustible. It is corps notif he divided nulls are those as mide see see a carefully regiment each troop make the system would be, first of all, that Government nould get ut of all the believe and enourous express of the catabilities are supering each and are more than a supering of make the catabilities are supering each of the divide and enourous express of the catabilities are necessary for the purchase and feeding of the numerors numbed lips and also would have nothing whatever to do with the enhistment at grynnest of the mury cump follower looking after them. Intributioned, all the burge of numbers in prestly, and clocked after by paid gyess semiclines &c., would be the property of mean in the corps, and the not only would there be looked after the whom attached are hardware as househout as the facilities when the salience of the standards are hardware to the salience that the allows the standards. not only would they be looked after by their attendants as herebotose, but the sill-dars flatmatter, as the course, being specially interested in them, would secrees speech supervision and see that the annuals were well error of our, meanuch as they themselves would have to replace them is case of casualties. Once the corps was formed regumental finds for our els, horses ponics, &c, would be catablished, as is now the ease with the hoise fund in cavilry reguments and animals as they require being replaced would be purchased by the various funds under the immediate confrol of the command ing officers Furthermore by inviting men of capital into the corps Government would be said the any sumes: semi-service by Initing mean of expirat into the corps: Owichment whild do state the copinion of the outlier in punishess of numbal, which they would have to mean; if the owing the originated on the regular system. The crystal than invested and locked up in the corps would be no excellent country for the good behaviour of the near. It as estimated (in this not be cluster from exalty signments show they are the contract of crystal would be at one forthcoming. For indexes emphasized on the contract of the contract of the contract of the contract of the contract emphasized on the contract of the contract of the contract of the contract of the contract to contract the contract of and that each silledar owned only one assumes the value of their assumee which they nould sell on leaving their old reg ments, and remarest in the new corps, would I e, at five hundred supees each, the present value of assamess in my regiment, Rs 100 x 500 -Rs 50 000 - It might confidently be untiexpated, however, that some of the volunteers would be owners of two or three assumers. In such a case, the capital immediately available would be greater than the sum named. If the capital forth coming was not sufficient from the entalty columbers, such men would be invited to bring recruits from their villages to fill the vicant positions of silledars in the new co |s, and any man in the infinity regiments who might have money of their own might be asled if they were willing to become silledars of camels, tuttoos, &e in the transport service

It is probable, moreover, that some men of capital now employed in the commissariat would accept Government service under the new condition

It would be as well if it could be arranged for silledars to understand as much as possible about

the animals in which they had a direct interest

Thus evalry soldiers would ver, properly be told off to the horses. Any men in infantry regiments coming from countries where cannot abounded might be told off to the exacts, and so forth. All the men in the transport corps to be subject, as in the case of existing unitary corps, to the articles of mount in the complex copy to one energet, as in in one even we result ministry early to the reliable by a well of lines, as in the days of the old recipier evalls, to invest the constraints of offer with extra posets as regards developing, enlistenest, promitment, and so first, that have a spring point pools of early quiet, after a latest each poster early it exceeds the results of the constraints of the cons departmental transport, it would at first be necessary to trust to the resources of the country until the separament transport, in women as new to increasing or one of the second to the country into the new system got in a through working order, and all its good and land points were regentized and provided for Once it in a fairly started, then the details of a reserve might be norted out, and arrangements similar to those recommended for the line might be considered. Intil a would of course be necessiry the Gorerment to statisty itself that the arrangements for departmental and regiment in transport, which might be considered as the basis for any scheme for retorm, was sound, before my plan for reseries, which would be the superstructure, as it were, was built on the top of it. The following estimate will

The detrals of the establishment will be found in appendix A" attached, the total monthly cost

77 Riding houses

being Rs 31,686 It will be observed that the establishment as regards officers, men, and animals will be as follows -

Officers and men 4 European officers 12 Pamers 1 Medical officer 125 Eighting men (silledars of camels), dismounted 14 Native officers 46 Non commissioned officers 120 camelmen 428 Syces 270 Digrets Anuals 510 Draught horses 11 I'mopean officers' chargers

500 Cunels Or a total of 537 officers and enlisted men 568 camp followers, meluding bases and hospital establish-

200 Baggage ponics

Or to the control of 97 contents including closest closures of the control of the and the for grant and other chees in garmen. The weights ellisted to the series and horses are 12 per each below what they are easily capable of corp, as it propelly fed and event for, as they would be in a military come—mangen which would allow for the sell his. In the even of the is cheeked corruspe, it spars horses are allowed for the 4 house weights, and 24 for the 3 house early, to provide corruspe, it spars horses are allowed for the 4 house weights, and 24 for the 3 house early, to provide

for a similar contingency If Government disreprieved of the large amount of cuechs suggested, hight certs much two pourse to draw them sould be mattered for a critical point of them, authorit in my my officing the sestants by another sets the carts, as your of stoney poor a such vestional to kept up on the estantial by another controlled the carts, as your of stoney poor a such vestional to kept up on the estimate up out the pasts or the carts, as vijuir on adong poor a salest without the slips the religion of the carts were of a light pattern. The illustrates expected would not be suffered to the carts were of a light pattern. The illustrates provided the sales are fast to estimate the carts were of a light threat to the points recold up for facilities the comparation of decreases of provinces to men and foreign to foreign the carts of the salest a state in result; a form of the saced personal control of the sa contracts made by the commissariat being that in a salledar corps the contractor is in enlisted and discipling distribution of the state of the but young a many a many a many promas a source of the size of the recommended astend of males, become they are past, as good transport variously, and in my opinion better their males, and ancover; they ere be obtained in abundance will over the country above males have to be collected from its dissimal banks are a common superme. Both in less nall power are very expensive to keep up, as they carry so blittle. If it could be amonged white camels should be the word now done by multips, saving of the 5,000 m much could be obtained of Agust the cost of the solution must be set all the existing expenses in connection with the framport department of the com-mission, which could at once be reduced if a transport system was established, also other items in connection noth the grass supply noticed further on in reply to namber 11

Officers

L entenant Colonel T H. P M bodiuse Commanding 3rd Sind

(a) I think there should be an officer (who might be the quirtermaster of the regiment) who should have the entire control of the transport required for the regiment. He should be required to I not the capabilities (as to furnish ug the kind of every required) of every village unthin a radias of 20 miles and, with the resistance of the commanding officers

and the cut authorities, should have a bird of the men of the villeges and the number of summils then could supply as short shore, and therefore the could supply as short shore, and through the commanding shore of his regiment, should a so mentire to more, be able to get authority for callesting their, which young does, be should be able to one allot the number required for the different portions of his regiment to the men under much not be the could be considered by the could be should be called the could be considered by the c actual requirements under his personal charge to replace casu afties

Mature and position of si bordinetes

(b) Under the regument transport affices there should be an intelligent Native, able to speak, and I see accounts in I nglish, and thoroughly acquainted with the lunguages of the country where the regi-ment may be quattered, and of the men with whom he would have to deal. His duties would be to register the names of the owners of the tameport animals and the number supplied by each. He should in the first instance furnish each owner with a receipt for the number of animals applied, the names of the men attending them, and the rates agreed to be paid for the line of both. He should keep a similar list as a record in his office.

He should also see to the feeding of the summist. and in fact exercise a general supervision under the European officer

(1018)

Under this Native subordinate should be one nuccedum for each department, i e-

l for rations &c 1 , remunition and stores ", regumental stores, men and officers' baggage " hospital

To these should be made over the number of camels required for their several charges. They should be held responsible for the feeding of the animals and welfare of the attendants, the serviceable state of the equipments, then preser ution in working order, their discipline, regularity on the march, and timeliness of conformation to orders of much

These mucodume should agun have come three men each who, being constantly with the regiment, would be acquirinted with the customs in it, when they would find their different leads, and where they would have to go and unload on anival at the near camp. They should asset the more dams in this general supervision in cump, and in maintaining order on the line of march, and instructing the attendants of the animals in their dulies. With a staff of this kind, I think the whole establishment of transport for a regiment would very soon be reduced to order, and a certain amount of disci pline, both of which are now conspicuous by their absence in the present system of transport

Men, European and Native

(c) I would have no Duropean subordinates with a Native regiment, but in a European regiment I think steady non commissioned officers, with a small addition as staff pay, might with advantage

Pay and pension

(d) I think the head Native assistant might receive Rs 30 a month, with a pension of Rs 10 after 25 years' service

The muccadume Rs 15 per month, with a pension of Rs 4 after 25 years. The others Rs 7 per mensem, with a pension of Rs 3 after 25 years' service

(c) Good thick lines, woollen blouse, with blue kummerbund and puggree, and a pair of warm knickerbookers puttees, and Native shoes Equipment and arms

(f) A good Native tulwar

Description of transport suitable Animals

(a) Camels (à) Camels

Nature of carts and harness

(A) Not unitable

Nature of pack-enddles

() The camel palks

Major A P Palmer 9th Bengal Carnley

I would suggest four circles of transport, or four transport corps, for India-

No I -The Punjab encle down to Delhi No II -The remainder of the Bengal presidency No III -Madras

No IV -Bombay

(a) Officers— One director, who might be styled deputy quartermester for transport

Four circle superintendents (assistent quarter masters-general for transport)
One personal assistant to the director and to each circle superintendent

One offices to be detailed from each corps, Buttish and Native, in India to be available when required for transport duties

(d) & (d) Two non commissioned officers and two men to be detailed from each corps, and ene non commissioned officer and one man from each battery, for transport duties Officers and men to be relieved run rally of possible

All chowdnes much chowdnes, pemadars, munches, and salutues available for service with transport

corps in India to be registered by excele superintendents of transport (/) The director (or deputy quarter master-general for transport), Rs 1,000 staff salary, beside

pay of raul Cucle supermiendents (assistant quarter masters general for transport), Rs 500 staff

Personal resistants to director, Rs 500 staff

Personal assistants to en ele supermtendents, Rs 250 staff

recronar ventants to cross supermembers, he had send the implied on being transport duties. Non commisconed officers at Rs 30 per measure whole employed on being transport duties. Non commisconed officers at Rs 8 per measure mad men at Rs 5 per measure while copies of transport duties, and their heirs to receive the next higher grade of Yumby pension, should the man die or be killed on service

(c) Transport non commissioned officers and men to went's bridge on the arm marked "Transport" Lau Red attendants to receive one blanket cost and transcess, patters, Native shoes, and yellow turban, and a bland et or unterproof sheet

(/) A tulwin to each enrolled attendant
(g) & (h) 1 cr the Punjab circle, mules, Kuchi and Pahwindah camels, and camels bred north of the Judium, and pack bullocks

For the Lower circle camela and pack-bullocks (bunyaries), and in Assam, coolies Where stores have to be carried long distances, cookie-carriage is abviously uscless, as the men eat their loads in a fortnight's march

I have no experience of the carriage surfable for Madris and Bombay

Only Palminds, Kuchi, and north country camels should be employed on bill roads or beyond our old frontier, the down country camels being abland in pushing supplies up to the bases of operations, otherwise the enormous casualties of the late Afghan war will be repeated

(a) It is advisable to actors the Indian had ery for many reasons but carts should be under commissivate control, only pect-animals leng under the transport department, and the commissivate required as at present to deliver il e supplies by rul and eart at the farthest point that can be reached by wheeled carriage

(i) Baggage pack saddles should have no trees. The Indian pad has always been found the best for service wherever it has been tried. The Otago and other pack saddles made with trees meet all requirements when fitted to animals in good condition but create galls when the mules get thin and spare as they must always be expected to become on service

The Ind in pad might be improved in , but its principle should be adhered to, as it fits to the baggage-ammal's shape be he fat or lean

Colonel H S Obbard Commund., sal élat Bengal Infantre I should say the best frameworl possible was the commissanat department as it now stands supplemented by regimental quartermasters one non commissioned officer per regiment, and one man per missions who not company (those suggested by me in answer 36, Native Army, for company (those suggested by me in answer 36, Native Army, for company tastead of (and in and lasems) a certain quantity of carriage complete suggested by the company of the company o being at all times kept up as part of the regimental equipment for conveyance of aminumition cooking.

being it at times to be up to prove our arguments are control of the control of t autmals are not so conspicuous as elephants or camels

In the fulls cooler would of course be employed A certain number should be regularly main-

tamed and trained (a) Commissional department supplemented by quartermasters but as commissional officers are apt to degenerate into many purroyors. I think combatant supernatendents should be approunted, as officers

are appointed to other departments of the staff

As at present.) As at present, supplemented by men of each regiment as montioned in first portion of roply (c) as a precess representation by some or even regiment as increments in their persons should be young as the research to terre to be taken that men who become catalled to penson should be young and throughly able boiled when calitted and that the ranks are needed person only in view to the duchange of all who become physically unfit for work. This would be an important duty of superintendents

declars and soldiers as at present

With respect to non-comb starts who have hitherto not been supplied with clothing it would be a decided advantage to put them into mailorme but the expense would be reis considerable. The blus gray losse coat worn by issears, with a badge worked on the arm would be the best elething for

While on the subject of clothing I would mention that it is much required for Native dictors Medical people we provided with it was sold produced subnetimates of the higher 2 was who serve with the early up not allowed may is difficult to be understood. Then pay 12 year sery small for their

one was protected.

(7) As it present. But all solding employed on transport to have short rules.

Under the head I may mention 40 cutter unsentability of the same of drammars and impactance. Under the hard I may monton it o tites unsatability of it eases or crammons are made, in the matter might have to be employed in currying reserve amountation. They are wined with received of tas descriptions—one very old fast need a sheet's foot long and neether useful nor received of tas descriptions—one very old fast need a long and or need than the other. When needs, the other of nea tricention and ordinarily less useful and ornamental than the other. When mental, the other of nea tricention and ordinarily less useful and ornamental than the other. When morning a man exacutes have to be previly drosted to the rests at of this weapon. The hilt destroys The proper weapon for drumand thus cannot a curonic or shore time, orinancing sound, on one once.

(g) In a camputan, carriage of every description is negarized—stall, bullock train, country cart,

elephanis camels, mults &c betrees and cooles

tempents carnels, multi-s to neverts run counts

(i) Lvery Ind contentify employed for draught and pack carrying

(i) Carts drawn by billed, for which havenes as nanoceasiny, except on modalled roads. The

cortinary country cart as the most as full and far the persurs. Very light hambon frames on wheels, drawn by a mule or pony would be very usoful for conveys see of wounded men

in ye amate or pool, some or try want an overlap and the property of the policy and the policy of th I has every received more countries separational servers, time adjustes on one currange or contracting from the battley in unaccompanied by such mobiles, and the more of satisfies has not been customered. They do not appear intended for ordinary addition, and for the time they are consequently Colonel F Dandr dgo Command mg 44th Kature Infantry

I am not prepared with a detailed plan but give my opinion generally, I can not prepared as not a second man our greet on squares Sciences, that a transport department entirely independent of the commissions should be arguinted that sounds be fully officered and applicamented. by a cotice maps, the men of which should be properly clothed and or unped thri a sufficient to make of immaport animals (make packequipped to the soundered a miner of smisspore amorais (mores pack-bulletts, and pomes) for the moving at short notice of at least 20,000 concerns, was pounts) for one moving to about notice of no deate so, one may be about a considered the left up in the vertify of the frontier strition. A percentage of such animals to be used, in peace time by the

commissionat and the Government departments and also belief out under proper supervision to privite individuals and comprises also a reserve for above number should be arranged for

Liceteant Colonel H Worster, Command g 7th Natire Infantry increase of east, I propose-

The purport of my previous unswer is that the system of moreable column requires reorganization and that a certain amount of regi mental transport should be maintained by all corps to effect these measures without any great

I -That moreable columns be in most stations abolished, in others reduced, and that the personnel, &c , now muntained be concentrated at a few great startegual points, such as Quetta, Kolat Pinds or Pesbawar, Mooltan Luci now, Assam, Poona and Secunderabad, the transport at such sta tions being organized so as to adm t of great expansion in case of large operations

II -The cost of regimental transport to be met as suggested in answers 11 and 16

(a) For each transport depôt at the great strategreal points One or more commissionat officers, independent of all local commissionat duties

(b) In peace departmental warrant officers, supplemented in war by non commissioned officers from the entilly and waillery

(c) Low caste Natines in full proportion to the number of animals maintained

(d) Rather less than that of sepois

(e) Semi military to secure uniformity

(f) Furoperus snords and revolues, Nrines talwars
(g) #Icelest carriage only to most the exigencies of the ordinance and medical departments Remainder of permanent establishment to consist of pact animals, except in Assam, where per haps a small dulled coolse corps armed with carbines might be munitimed

(1) At each depot, those most suitable to the country, and the nature of the operations in which

they might be called on to tale a share (t) Ambulance and ammunition earls only to be maintained, except of course where a Govern

ment bullook trum organization already exists, which is no burden to the country

f) Have no technical Lnowledge Pack hunces for a considerably greater number of animals than that permanently maintained should always be kept in store, as, though animals could always be impressed, time would be required to obtain suitable eginpment for them

Locationate Colone F in Norman I am of opinion that no scheme of the land lucionate course.

Commissions 24th Fungle News course only except we always among a large natural consider that all that it is a large natural on except to more continuous and invalidus excepts—set to increase the more able column establishments at the puncipal military stations. I con-sider that a very slight addition would meet all probable domands for

internal warfare. Increased rathray communication and an increase of general prosperity will merese interind withing interior interior rules of communications and us increase of spencial property us in most to whose destructing of the country as wishess the increase of whoseld carriage in the Posych's as at the runs under Bitter's rule. If I wan right, it only remains to devest a scheme for external natives, and I think that if a fiber laps meats in mode cameda and make will all rivery be for increasing a silicent numbers. The great want is proper super; sown over the transport number, and for this purpose I do not consoler it notessary to an atom a large European and Niture exhibition, and im, a time of year. The running in prope can be held of directly the communicative department. In time of we, I would appoint an officer of the commissarrit department to each division of the army. His sole duly should be to supervise the transport of the drisson. He should have under him an notice subiltern for his personal certaint and a rabilities for each bragate. A Emogram non-commissioned officer should be appointed to each day on of 100 symmets because one time two Natives non-commissioned officer and Sourcepore. The days on to be darked one subdivines and sections a cory animal to be brail. ed with a number, and the non-commissioned officers and sopois to always accompany the catile of their sections when sent on comes duty. The subaltern officers the I propen and Native non commissioned officers and sepoys to be withdrawn from regiments not employed on the particular service When transport cattle are made over entirely to regiments, the above supervision would not be requi

The Nature was commercial to be strong with a curbine and to carry 30 rounds of ammunition. The remained many and to be strong with a curbine and to carry 30 rounds of ammunition. The remained many the first fi armed with a short sword not the old lattern high canalry swords with steel scabbards that was served out to the camp followers of the Kinder force

All camel and mule men to be clad at Government expense in clothing suited to the chinate

Lesteast Coloni II S 6
Twould suggest that a transport deportment be kept up It then the Super neblat. The spect That a be a quite distinct and separate deportment from the commission that the Intelligence of the specific specif I would suggest that a transport department be kept up. It should be under the immediate orders of the quarter master-general of the

a small permanent establishment which could be easily increased in time of war by volinters from the arm) In the late compagn the trusport department was at first under the commit and Great friction ensued, and the system had to be abandoned

In time of prace the trusport department should consist of-

(e) Officers -A director, who would rull us a deput, quarter master general, a personal assistant to the director runking us an assatant quarter marker general, and tour superintendents, runking as deputs assatant quarter master-general. These four superintendents to have charge of the four Provinces, 11 , Punjab, North-West Bengul, and Assum the di ties of these ofteers would be is follows

by -The director would have the emire control of the transport department. His duties would le to find out all the resources of In ha (Bengal presidence) for trumport, receiving reports from the different superintendents of the different protuces. He should draw up a set of rules for the

(1021) [Appendix IV

trunsport department, entering into the minutest deful of everything regarding the working of the train the pay of the subordinates the case and for going of the animals. He should be able to give every information to the quarter master general recurding it is separt, carriage, the mount or vanishie at each station and where the best carriage is procurable. In time of war he should be kept informed of the mentions of Government so list be night him timple time to called ill the nacessay currings to provide officers undestructing their word and franched with capses of all the nacessay returns and course for syntame of all then not complete the time of the nacessay returns and time for the course for syntame of all norm of names capalogues to the them are you on the real time of the nacessay of the nacessay of the nacessay of the nacessay returns and the nacessay of the nacess whole of the transport 11. regumental, departmental, and general, should be under his orders. The commissional should keep him informed what amount of supplies they want carried and where to, and he should arrange to give them the requisite amount of entrage. He should be allowed in required) to make any contracts for carrying uples, and no should be unsecrable that the contract is properly carried out, or that forcement should be understable that the contract is properly carried out, or that forcement should be protected in the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused by notice that the contract from any loss caused the notice that the contract from any loss caused the notice that the contract from the co by negligence. He should for, if he is not required, the sense superintendent) he with the general by registered the action of the command of the command of the command of the forces who should give him every assistance in the poner, it is proper exerts for instances and, it necessary, noting prices to improve or made roads. The director should not commend the command of the director should not be himself perfectly acquainted with all the different roads, about the resources of the different villages. for feeding his trusport and men und, if necessary, he should he allowed to in lent upon the com for feeding his truspool and from "met, it helessary, he seems he substitute that the truspool he comments for the monated from the desirate power for the feeding of the number IT is cale are sponsibility of the transport being upon how be decailed receive every provide are stone from all departments to the cherild have that meading steen has for all more any expenses, such as buying found for he cattle building stacks requiring mode, bridges, &c., &c.

In time of proce has office would either be of Collects or with army head-quarters.

264—The protocol assistant to the director should be a mon that the director knows well, and

An order of the control of the contr others belonging to the transport and make out from them a report for Government of the resources of the country , he should check all weekly returns of the transport keyt up at all the different cathors. In time of wa, all the returns of the different effect, all the transport department similar be and to have all checked and he should not confirm the whole of the transport every month for the information of the Government and quarter mosts; generals department. He should receive all each statements from the different transport officers not later than the 10th of every month, check them and send them with all their receipts vouchers and copies of sanction, to whoever is appointed pay examiner for audit and on return from the pay examiner sollice, as dub presed, keep them for reference in his office. He should therefore be allowed at least Rs 150 a month for office allowance

3rd - Il e supermiendents would have the charge of the whole of the caurage in the proximes to which they belonged and be responsible to the director for the management of every thing connected with the transport department in their province. They should be in communication with all the district officers in their province and assortion from them the amount of carriage for lure or for pur-chase procurable in their districts, also full information regarding the time it would take to collect chase presentable in their assessor was rat mineration. Regenting use time in woman area to concern carriage and they should keep the interest minerate of very particular, and read him a return show-ing the description and amount of earing procurable. They would have charge of all the merceble column carriage is every sistion in their province where carriage as laying and they will be a spensible as to its efficiency. They will rapart to the disector the strength and condition of the own cable column as these charges of a state whether they thin it is should be under the immediate apparence of an unsertain superationals or of a conductor or non-commissioned officer. Very little supervision of the section of the section of the section of the section of the duties exceeding the carry to extinct on the duties exceeding the section of the duties exceeding the section of the duties exceeding the section of the in Chief. The supermitendents in the cold weather should make inspections of all the corriage at the different stations, and satisfy themselves that they are Lept in good condition, and that their orders are thoroughly our ad out. No corriage should be tall on for Government whether hard or purchased, without bring first inspected and presed either by the superintendent, trung out from or one of ins assistants to that only minist good and fit for the may be chosen. In the late Afglian campings numbers of males and pomes were hard by the even efficies from the different districts in the Punjob and cost to Modism and on arrival were so entirely unit for any use that committees had to be held, and a very large number were rejected as utterly useless and had to be discharged, thereby putting Gorand a very ring nature over exposure suscept every nature of the content to very great and united supports and the content to very great and uniting those closes, the extra exposure would be obstitted, proper armiting all the naturals and working those closes, the extra exposure would be obstitted, proper armited to add to cone exet up, and there would be no other palvage for stem had number and nutritor new. The exil officers used of come gue the temport officer every assistance and

collect the animals for him to inspect 1th - Assistant super nicedenis - If it could be manged, it would be very deveable in time of price to have one resistant exprimiendent to never every superintendent, so that when the superintendent went on leave or was sent on other dutaes the assistant could act for him. In time of nor there model to execute the section of the model the wastern contract of the force who model be under the orders of the super intendent. They need be formation with all the rules and regulations forms of each streements and returns so that there should be no delay in keeping Government informed of the efficient working of the same, and the each statements being all of one form, if ere should be no difficult; in attiting the accounts. Trustmorthy conductors or non-commissioned officers might be placed in charge of the moverble column carriage at the different stations. If ey would be under the orders of their superintendent, and should report everything to him regarding the currings under their charge, and send him weekly returns. They should also furnish any carriage necessary required in the station on a station order from either the assistant quarter master general or assistant adjustmt-general, and see that the carriage is properly returned, and that the animals have not been overladen or been in any way injured

(b) Nature and position of subordinates—It is difficult to make any remarks about this as in time of peace only very few would be required for work with the movemble column. In time of usr, with prek animals, bullock carts and cookes, Native subordinates would have to be entertained as chowdries, nath chowdries, jemadars, &c , and it would be a very good thing if some good steady European non commissioned efficers were allowed to join so as to supervise the netual working

(e) Men (Luropea: and Nature) -Both Luropean non commissioned officers would be mest useful to supervise everything, the Native subordinates would be held responsible that the orders

were carried out

(d) Pay and pens on - European non commissioned officers to get from Rs 20 to 40 a month extra to their pry and free rutions, and would get their pensions as belonging to the sum Very few would be required to be kept on the permanent establishment. Those that had bree legs on might, when the string from the service on the penson they were entitled to it they and done path-cularly good and long service, receive from Government as gratify one or two years' pay. Regard country grows was now gardweep, remitter from concernment we gracting one of the yettle prip. Regard may have assumed that the print exceeding to their positions for instance, chewdren would done Bits 100 a month inter out of this flavy should be made to keep all the green in rotting order, and keep a music or Nature artier to keep all the necessaries, 500. Note chowdress should receive Re 500 months and he answerable for the good condition of the currage under ine charge paying for all medicines for sorebaels, &c. Jerandris Rs. 20 a month. Survivans, mulettees &c., Rs. 8 a month

(s) Clothing -In time of peace the I propen subordinates would receive their uniform, free rations and quarters, or compensation in heathereof from Government, but in time of war they should

be furnished with a small tent and a waterproof sheet

no intrinsing of the same sees and a mean-proof seem.

Native subportunities in time of period do not require anything to be given them except in statems where carrings is kept up, and then lines might be built for them nor their summits. In time of war they should be supplied with a writerproof sheet, a court, a pair of pyrimes, a pair of boots and n blanket

(f) Equipments and start—These are not required for Native subordinates, as in the late Afglian

var it was found that they were usually seen to the required to be known as a seen of the

(A) Animals to be a played — The best animals no doubt for trunsport are mules, but they only carry two manness second, pomes, also two mannes, third, camels, carrying four maineds, fourtly. pack bullocks carrying two mannels foollocks however over stony ground require to be shod), fifth, elephants, carrying ten mannels, but these are very delicate animals, requiring the greatest circ, and it is very expensive feeding them

(1) Not us of carls and horness —Carls should be made of the very lightest and yet strongest pattern. The Maltose carts used by General Phayre in the late Afglian war ners of a capital pattern. pottern. The Multane cetts used by General Physics in the 11th Afgian war were an august passars and and concelled service but which would be of still time one use, usual to be light vertex, much on the text to than, which would be found in the even to than which would be blocked up that only assering the stores from being specific by run or lost by the fifty. The American should be the best Campone humans and made to fit the number of the the Campone humans and made to fit the number of professables—Fack soddles should be very carefully made. They should be very light, still well-produced, and must fit the number, otherwise they will get serviceles and become the contraction of the production of the prod

useless

Major S r B P Browlead 40th Astree Infanter

I am of opinion that in time of peace it would not be necessary or advisable to mantain even the framework of a transport establishment as regards personned. The regemental transport system, the infradedicts of which I recommend requires no special establishment to work it is

of with 1 recommend requires an appearance of the commend requires an appearance experiment, or administration to the contract time and requires general department, or administration requires general co-chableshores would of course be necessary. Therefore, which is really required is that there shall be published such a simple and complete code of rules and regolitons for the organization, equipment, and contribution of a function terrace to similar of which the religious conditions that the contract of the companies of the companies of the contract of what a shortmest to entertain, what orders to give them, whit pay to give them, what to local so on This is all their to necessary. There would never be any difficulty it obtaining carriage. Recent experience has submently demonstrated that there would not be delve or the submently demonstrated that there would not be delve or the submently demonstrated that there would not be delve or inconvenience on that score Where delay and confusion arise (and did arise in this Afghan war) ! where officers and new employed in the trumport lives not cock, defined duties and responsibilities. I enclose a separate memorandum setting forth in some detail whit I consider to be the proper duties of each transport officer and subordinate, and rules for their g rulance under all encumstances. They are of course open to modification on many points 1 it I submit them as the results of my own experience graned in this last compaign. They are enlarged from my own notes made on the spot.

Major A. C. W. Crookthanl. Commanding 52nd Pressors

In the replies to other questions I give my ideas on this subjectionally I consider that local correge should be maintained to f erfent religionated in answer 12 and thus carriage should be apportion

recent selected as masser 12 and the currage should be apportion
to the versus sixtums recently go their power of inthings, it, and
under an officer, waternt officer or non commissioned officer of the commission water the portion of the commission The carriage should be freely used in peace, and, on war breaking out, made over to regiments or drafted off to the base of operations

Replying to quenes

(a) The officers would be the officers of the commissanat department

(b) The Native subordingles would be entertained by the commission t department and be enlisted under the Native Atticles of War European subardinates as at present Assistance in the subordinate class to be obtained from Br tish and Native regiments

(d) The ray of one comment from he is an animal regulation (e). The ray of others are found and the state of the placed under mates, mescalams, penalons, for, not be regularly truncal to their dates, European assistance being given from British represents

(d) The ray and princes to be under commissionat rules (Cord Review Cold), that of cattle

attendants long regulated recording to whether the narrage, is purchased on Ired.

() The cloth up would be the commensurate unaform. All Netwe establishments to be dressed as the followers of a regument in magr, shall show, khall north, putters, battee shoes, and a data ususing bodge

(f) I or equipment and arms: that of the Dangeans would remain as at present, with the addition
of a revolver. Natives only require a front belt read a country thin in

(a) The description of transport must vary according to the locality and the transport available. The breeding of camels should be encounaged and as many employed as possible. A preportion of elephants should also be maintained for pesses transport, out, above all, a very large proportion of mules, which should be divided among the various hill stations, and there employed in water and other transport. Arburs about be entirted for general service, be attached to be putals for peace duties, and dated when war breaks set to regement proceeding on service, substitutes being locally entertained

(i) The animals are mentioned in reply to (i)

(i) As regulas corts: a light cut should be constituted and generally used instead of the ordinary

country cut, which in some places are of a lost pritters. Component parts should be kept in steel, and moved by train to the bases of operations cells for them sheing locally accordance to transported thence in trocks. The country of a smooth be largely used with pony transport.

(f) The present pack-addle is as good as one can want

Leutenant-Colonel J. J. Boswell, Community 2nd Sakhs

My expenence does not take use beyond the Punjab. For this part of India I would suggest a cattle establishment of camels and mules be attached to every Native infantry regiment, the same as obtains on the frontier, the communding officer being held responsible durants at the theoretic see comments and cared for the animals being properly fed and cared for This would accustem officers and men to the erre of bagging animals the establishment to be available for Government and private purposes (the latter on payment), but to be equipped and fed under orders of the commanding officer

The number of animals attached to each regiment was ten absort correct to the contradicting ether required it the station where the regiment is bested. Thus at Pecharum and Perceptury where there are arealis, a larger number would be required that, a bistance is been there when there are arealis, a larger number would be required that, a bistance is been there was now.

Commanding officers should week through their transport officers, each of whom would virtually be the superintendent of the transport for the station. Where two or several Native regiments are located orders for supply of transport for comages to be assued by the sensor supermittedent of trans port. For the whole province there should be one separatendent of transport, whose duty it would be to inspect the transport of the whole prevince at least once a quarter and to bring any detect he might notice to the notice of the communiting officer under whose charge the an male were

A list of private largery-mercals should be left up in every district office, compiled from late amplied by folials (sho collectrates), and is the event of it being accessive to anyment it of General must triapport, the number of parallel required should be required understanded and bought by General

through the general superintendent of transport

uncompared use general a separationness of a senseprior.

Transport officers of regiments for hypothesis on service magnit be summoned with parties of robbiers to act as supporters recenting a sift of stry of Re 5 per month while so employed. In the shorters of a transport effect from the regiment, he abutes would be performed by a wing officer. In a ten yours Government would passes a videole shall of officers accustomed to lock after and strange beginger, natural T behaves in Adjurnant has of the het-officers of the interpret trans belouged to the Punjab I contier Force

(a) Officers—One superintendent of transport for each province. One trunsport officer to each Native infinity regiment

(b) Nature and position of substituates -One inspector (Nature soldier) to 100 unimals

(e) Notice at an job time of entry content when the products (e) Notice drivers — 1 to 3 miles, 1 to 4 cunchs (d) Pay of mule and canel drivers — No 8 per month. You cannot get good men on less pay No pension on discharge. After len years' serving grabuly of three months' psy, offer fifteen years. protons as uncertainty of the first service graduity of three months' pay, after fifteen years, gratuity of six months' pay. Same rules for family and wound personn, it lailed or devabled in scition, so obtains for hitre soldiers.

(e) Clothing - Drib (khala) blouse and kinckerbooker trausers, drab turban, blue france. putties and Native shoes

(f) I quip ent and arm - Native talmer with shoulder helt and waist-helt, brown leather

(g) Description of transport a utable, micetal, pack, cookse, ge —On the Punyib fronter pack only, (g) Ann als to be en played —Crunch und mules hadure of carle and harness -Carle could only be used on good roads, which do not exist in

the hills (i) Nature of pack toddles-Ordmary Putpula pales for camels and Nature pack saddle for mules

Loutenaut Colonel F T Burn be dge 4th S kins

I would suggest that instead of Leeping up the supply of transport as at present under the commissment that emerge should be given each regiment of the army of the Bungal presidency to be looked after he the quartermaster in times of perce, as follows --

	Camela	Mules or po
Restricts Currely	66	50
British Creeky Infantry	120	80
Batter es Arbitery	20	25
Native Cavaby	20	20
Native (infantry	55	40

This currage would be would be for well in contaminants, communis, delaciments morns, bringing mappings from dichaets. It also could be used by the department public works, &c, and when not other, saye wratted let out on here within presented lumins.

It would also be hable to be drawn from in temes of school, one regiment supplying another to make up full complement for a march, and would be sufficient to move a regiment in lighting order for

make up nut comprement and a review,

2 or 3 days' expedition

I would also suggest that a large reserve of anomals purchased be lept up an districts made over
to the civil officers to be larged out for traffe the

Builded's and casts to be used as bulleck trains on any road where there would be sufficient traffic to pay would also be a good reserve. Where cannels enthing that he well as in Bengal, can't or vigous would be given to the regiments. I think out in wigous can go should be used in the heaver rook can be under in preference to all other. It cannot seek, and forms show the form against title, by being hargered

(a) The whole to be under I director general, 8 directors of cucks or districts (each circle the same as mucketry enedes), with an assastant officer
for the transport would be attached to districts

(b) Native inspectors to be taken from the non commissioned ranks of the Native umy, also the Native army would supply sepoys to act is defeadors in the proportion of 1 to every 20 drivers in time of war 1 to 25 in time of page (c) I am of opinion that Natives only should be employed as transport drivers, to be compared

chiefly of Punjabis (Kuthris, Sikhs, Panjabi Mussularins, and Hindus) in following state -

Peace footing

ī

1 > 4

The men to be of good physique fransport duty in time of war is very addition and fatiguing, and any man will not do it requires strong men and of a certain bught to load and unload causis,

mule≈ &e In order to have a reserve of trained men (and unitrained men for transport are a grand mistake), they might be culisted for three years, but my man after one year (giving a substitute) might levre on a returning fee and go into the reserve. All these reserve men to understand that all or my are limble to be called on for service at any time

All might resemble once a year for a short period on full pay to practise and keep themselves up to their worl

(d) Pay and pension of rank in army for inspectors and subordinates, with an appropriate staff. Divers pay the same as in the cattle establishments of the Punjab Prontier Porce, and principles. wounds or to family the same

(c) Khala drill sumpers or blowe sumpers, trousers loose and to ankle only, where they should it tightened in , pugices of some distinguishing color to mark. Transport' , a good blanket and strong

Nature shoes with natio

In a cold cluster, add positions, puttiers, another bird et, and small tyrprains

(f) Leether wast belt with begand frog, hyrosael, writer tin, charged (small musual) to be carried under belly of york amoral, and three yards of good stout cool

Inspectors, a tuliwar and pasted (the inspection might rule a space pred peny), salorizate, short sucher cardine and snowl knyonet (ruthlers) as sensed to the interpret in Abysman. The drivers to have a till in or Afghan halfe (laker for choses), and in war time each to have a pastel, and to desirable the new of them we a weapon of defence.

(6) and (6) Curts and wegons, curels, mules, pomes and bullocks in the plane (also elephants, but they might remain under the commonshired) in the hills makes pomes, bulled s, and sometimes camels Bullocks in the hills are very good to curry grow and folder, and can be driven in herds of 10 and 12 by one mun, they do not every other loads well

Cookes can also be employed in the hills, but, unless hillmen, are not much good

(i) I have had no experience of regon transport, and cannot suggest anything. Harness should be as simple and strong as possible, and have breast-hands in lieu of collars.

Bullocks would be voked

(1) Camels -The common pala generally weed Mules and pomes -The best saddle I have seen, and had practical expensence of, is the Olago, but it should be smaller than was generally used in Aby sum , to sunt the aminals of this country I have theroughly trad studdles of all soits and have come to the concinent that the Ongo is the best. It is on it adjusted, easily and securely laden, and I meest to the animals, it also has the idvantage of being a good riding saddle for sick or wounded men

[Appendix IV

The saddle with the iron cradle now chiefly in use is also a good saddle, but is very upt to be shaky and neketts on the buck, and also to purch when the animal is laden for a long stretch

Major & G Ross Ist Shis

I entited answer this in detail

It is impossible to keep up a complete transport establishment fit for war in peace, lat Government could settle how many transport centres they want At these I should keep up troops of mules - the only animals I would work in this wiy I would have intry troops of 25 or 30

animals each forming skeleton troops to be filled up with rumals to 100
per troop in war. I would keep the penadars complete and duffadars half complete, at one jemadar these men would always have training, and on wa bierlang out, I and two duffedors to a troop would complete the dutablas to fine per troop by personating the constantly emilyond molecters. In page I would have perfectly used have made to fine per troop by personating the constantly emilyond molecters. In page I would have madeless of three makes, re, ogic even men, and m un'I would increase these the personations are madeless. The constant is madeless accustomed to madele, ri., a faminar Brances Letteress, habities, &c. The now men would soon learn nuder the skilled gemedat and definitions

Officers -In perce two officers at each centre depot, two non commissioned officers

In war one officer to 1 000 mules

One non commissioned officer to 500 males Ten troops at 100 each under each officer

Ten jemidais (ill ready)

Forty duffadors (20 ready and 20 promoted from slidled mulcicers)

Muleteers 10 rendy , fill up to 34 at 1 to 3 males, to 50 at 1 to 2 males, which is fix better The above touches on (a), (6), (c)

Per megacia	For montem
(d) Pay Duffa	
In peace jemader 15 Mule!	
In war to be raised as necessary according to the service req	
Pennon- Duff	
Jemadur 10 Muh	
(e) Clothe g -Stout blouse and Line et beckers, Eliake good	I shoes

(/) Equipment and arms { snows for all

Jemadate, duffadare, recolors also mules. I would not keep up any camela, carts, donkeys, or bullocks. I would contact for these as wastel, using country gonr and pad a

(i) I am not up m carts

(1) Pack saddles, studes - I beg to append a report by me, No 12 Q M dated 17th March 1878, to Assistant Adjutant-General, Punjab Trentier Lorce which shows my views on mule prek saddles both for purely military and for commissional word (See subsidiary note at end of answer)

No 45Q M , dated Jellslahad, 17th March 1879

From-Maron A G Ross, Commanding Isi Salbs,

To-The Assistant Adjutant-General, Punjah Fronties Lores

With reference to No SOSK, "dated 23rd Vosember 1878, which forwarded copy of letter, dated 17th October 1875 from Special Committee on Artil-* From Military Secretary Puigeb Government lery Equipment to Adjutant-General in India, and in

reply to your No 519C, dated 11th current excentions copy of Colonel Brecks No 480 dated 28th Tebruary 1879, with copy of my demy official letter, dated 2nd January 1879, to that officer's address, I beg to state as follows

The subject of pael saddles is a vexed question. Some prefer a cherry, light, simple saddle, Introduction and the families and the fa

lasting saddle of the patterns used with hooks and loading strans

assume source or the platerian some were strong on the assume assume assume as the platerial of madels expendedly not does guessed into a district and time admit of this bell I will invite some seemed on the tax types of prel, width reference to many protocos prograph. I may result to a Platerial point and the resolution for a first to Colten pulsar which are coldicated, and the other control of the collision o

of a speed to per possessing many advantages of weight and of a decided tendency of their leads to dip and side

on ascents and descents Different pon is from vi ch puels the vie well

III People writing on pack saddles them from the standpoints of-

(a) private use by travellers, &c ,

(6) use in the feld by regiments and hatteres,

(c) use by traders in hilly countries,

(d) nee by the commissarial and transport departments of an army in the field for stone

and provisions My remark, seler merely to the service of Govern In the letter a cool from point of an of Govern-ment service. If o me all ode ment with in army in the field, and I would point out

that this Government service is of two man I inds-(a) carriage of ammunition, military stones, a generall baggage with the troops, and again

(b) currage of stores and provisions by the departments of supply
I allow that it is probably a very good plan to have two I most of caddles in use—one for normal

nent use with troops for the many purposes and waying Linds of leads required by troops, and one for

Appendix IV.] (1026)

use by the supply departments in the currong of you worm and folder and such the store. I find the inter kind of peed may be of a changer adjuster load, but for the permuent use of troops and for such purposes as the currong of assumation, ment behings, fools, butts, butter stores, sugment peed, stores, for the , i time's overaged, durable, letting avides on to which fouls can be so indicated that the major avides of the stores as the long of the store that the young the store of the store that the store of

Panysòpade and modifications. Their advantages are IV The advantages of packs of the type of the Punjab pids and its medifications are-

(a) Cheapness in manufacture (b) Lightness

(c) I aculity of repair is most Asiatic com times

(f) Acanthy of reprint in more answer could need and untrimed durieurs (d) Craphithy of carrying aprile packs required to replace losses (f) Rechity afforded by it to muleteers mining the males to water or for forage

Penyab pade and modulications. Their disadiaminous The disadvantages are—

(a) Want of strength to resist rough usage and ill treatment

(a) Traing to strength on the carpoint of Walth of the value of the carpoint of security loads on it in ordinary rough ground (a) Impossibility of doing so on really bad ground

(e) Want of some stiffening writered or of some framework or tree to resist the pressure on the rollers, of the salestab Luck or of the weight of a muleteer riding on his pack to fetch forage, &c

frage, 60
The old steps ammorated from (s) to (f) are great and true temptation to the adoption
of a good pattern of zone one of the country smaller presenting these advantages, and of which deathters if a modile No. 3 of the Stank Communities of 11th October 1573, described as a mondistion of good
Pangla pid, as good specimen. There not seen than smaller, but I necessarily the stank of the Pangla pid, as good specimen. There not seen than smaller, but I necessarily the stank of the Pangla pid, as good as a fine or manuscations are noneset wowhing in the next sees and provincian from parts to person a to the corresponding to the stank of an army. But I nould use that for parely midstary
paragraph of forements should process a better may be a stalk a stalk of a stalk of the stank of the

loosen or give way and I maintain that for these ends some pattern of saddle is required which is used with books and loading straps and which is made of strong durable materials. Money spirit on the manufacture of such is well laid out, and it is worth while for Government to manufacture and establishmainst for the surpain of such late only table to the provise deliver to the coverage and the tendence of the selected of the surpaint of the selected of the with such puels

Sketch of the mode in a heb und hary operators as hills affect suddles and architectes and animals as contracted with traders leabits

In multivary operations over difficult ground it is of primary any orbasec that it is leads of no-of the modern which makes operators a meanton, food gives come dee, which are carried after it addles and multicers and numbels as one the topologica should not shift. As it is, overything if

his deficial additional emblaces and annals as one truthed with truths and the truth of the United with truths in the truth of with truths in the careful and truth of the careful and the car superso Superson, ponerver well pet of and toda, powered well stands, we meet regard using an view sents and describe, or can one calenga ground, where the usuage have too jump. They ponerately, require much art in typic and an looking in the dark. Carders meet cause great mustical 5; 5 age them heldy, and gover dalay in forcing the essent to look pain articles and time the hel leads. In put addies, unless there are some kind of frameword, or makes there is some deficient for the cardinate of t very short tune too) brusses the animal's lack Brundle and traders marel i g at their case and on there own terms and it then own will constantly roundly this muching But to military operations the needs of the saddle and the care of the animals us not the leading side. The army susceles with energy to action a certion object and the language follows are it but on a consequence of the control of the co energy to attain a certain object and the baggage follows and but one I do not allule to the heavy

Sometimes the light biggage even falls belief the army, and is left in difficult country, not coming up for two or three days. On such accessors superintendence is had, and careless drivers are much left to themselves

The men, too, are often tired and hungry, and their energies in the care of packs flag Under these care inistances pads, across where roller salectales he, are certain to get out of order and many

animals are injured

Conclusion and recommendation

VI In conclusion, therefore, I would argently represent that the multiry service of Government (sate for pirely commisserial purposes) requires a stronger, more durable and better made saddle than

the Punjab pul, or any saddle of a samilar nature and that as many multary leads as can be so carried should be carried slung on well placed books as in the mountain batteries, which mode ensures the loads bong firm and steady mader all excentistances

For foreging purposes, saledahs or quingurs can be used with any saddles, as also for any of the few multiary loads which cannot be packed in loading strips

At all central depths Gorenment should loop up a supply of pack addies and genr for mules. It is runous both as regards east and efficiency unling up genr and packs at the finds of contractors when emergency arises Government cumous membrand the men and animals of a large trusport corps in time of peace. But it should maintain all over the country at central depots large trusport, corps to time of pure. But it should involve and to see the country of central depost types since of good storage gar and purer pack and less both of the durchts, expenses And required for pure multiply controlled to the displayer pack and property and the property and the property and along the lone of commonwhales are for any determ to 2004, it is then of controlled to the property met. I should keep 13 (00) preceding. The entry demand for adults who gave usual there be apports met. I should keep 13 (00) preceding. The entry demand for adults with a high To expring sixel label with added—mobiles through the property hashed, landstells, bridle of E. It is used works believe controlled to the property and the property in time of once the controlled to the property and make up sholdy gear saddles with had cheap lettler, rotten thread and earthy from With good year, ready and skeleton though that proposely trained spectrum does came to odd with a few small of the count of nor bate only to buy makes and cubet man. The number generally come ready trained to loads and if the man on muleters, they are already bell-trained, and quakly learn discipline when necessarily and the country of the country of the man on muleters, they are already bell-trained, and quakly learn discipline when necessarily the country of the cou a system

N.B -Mules should be fed and watered by bugle call It trains the men Roll calls should be daily held as in regiments. Government should also keep up good builded pads to a contain extent,

say 2,000

any \$0,000 floor on he seen vanoug the Afradas and Khatitak, and m the Punjah generally Seem majir in war Government fruit to here or lawy propers got with full coles and here I would have a rapply of point routh, as pall kellicket were held never of an usry. The pact wood at Johlahada, on the Khyise has, and now in Khalia to Government heldicks we makey and an eigenful would be the White has a state of the Afradas and Afra ta makes to be a statement to see the part of the Government heldicks despitels, a light, and body made alonguise those of the Khaliata and Afra ta makes. Generally also the statement of the seek part of the Government and the short and the statement of the seek part of the form of the statement of the seek part of the form of the statement of the seek part of the form of the seek part of the form of the seek part of the form of the seek part of the seek par

which come on in war time

Colonel W A G b Commondant Eath Madrae Nation Infantry

I want sufficiently acquainted with may treasport reheme to ven-tions to give one. To be of vijies wan in the took require to be the considerable strength in preser, and that would be very expensive. The hand of corrasge required would be that best adapted for the country m which the war was to be errored out. The same may be said of the naturals and it would be no use having carts and harness, or on of an improved sort, that the animals were not accustomed to

Colonel 4 Edwardes Communit m, 2nd Rembry Data & Infantry

Although it would be impossible to keep up a lurge transport establistment during peace time, still it must be lorne in mind that the The next sound prices seen, so at the most set come in main test up endings, though implify trunked, as not a period fighting in time unless the cast is moved apacity and at a measural notion into the postum where his strucked into most progrand Want of modelity is a less of your. I am of opinion there-tors, it is it is necessary to regulation a considerable moment of transports word, for immediate on and

capable of expression to meet the requirements of a war With this view sufficient transport tham should be kept up along the frontier, so as to move three

divisions of 6,000 men each cross the border At contain stations further south, the train should be maintained at such a strength as to be able

to move a brigade out of each division, complete in every respect into the fuld

(a) A field officer, with a stoff officer or resistant, to be in charge of the communicated and trausi ort duties of the division

A field officer or a captain in claring of the commessionat and transport of a brigade. A captain in command and sub-litera to assist in each though of the trum The working unit to be the troop, divided into four or more sections, each withou under a Native

officer, with a proper proper teen of non communicated officers The troop might consist of one or more exchans of males, or of cranels, curts or cooles, or all the sections might be of one description of curringe. It would be preferrible to have them mixed,

so that the others might become acquainted with the capit lifties and working of each so that the convers magnitude execute acquirations which are easy to have some working, we treat

(i). The substrainties the did be clearly. A write others and non commissioned officers who have

exerved in the cavity of the regular rawsy and mustly those who have served some time in the cavalry

(c) The mon should all to Natives, and mostly those who have served some time in the cavalry

(c) The most counter at the fractice, and mostly times that have been exactly some time in the carainy at all almost of the regular army in time of peace, with certain field allowances on the outbreak of war.

Pensions to be similar to those of the regular sumy for those men who have served in the cavalry or infinity but on a lower scale for others

(e) Clothing to be of a serviceable color and material, warm and light-the former consisting of tume, breeches, leggings, and shoes supplied by the State every thirly on and the great coat every six years, all the light and under clothing to be lept up by the man, all the details of which would be settled in a better manner by the officers of the corps

(f) The men to be usued with the Native pritters awar I and the Artine officers and non-commissioned officers with swords and revolvers. Back man should carry either a hatchet for chapping

n ood or a siel le for cutting grass (q) Mules or cumils for the lighting line

Camels, carls or cookes for the line of supply

Lie hands for bury of conserved and steps it in

(h) The mule is the best description of the report, and should, if possible, he exclusively employed
in the fighting line. He is a quiet more, can trivense fully and difficult country, and practices. nurow traces on hillsides

The tried bulled is also a good description of entrage. He is not, honever, so easily controlled, as he has to be driven a ste il of being led

The camel is an excellent me as if transport for supply purpose along plains or sandy tracks. He is not good across fully country, and suffers too much from a mations of temperature to be emplored. over great he ghts

The elaphant is the most suitable for the correge of hervy ordinance and siege trains. He is not so strong in constitution is he looks and requires to be well protected from the cold and net

The coole or porter of the country is most useful as a means of transporting light weights It would be most harmlone however, to compley him with the lighting line, as he over hally country might bolt or d soit at the most or tood periods. Done to the politic to employ him with the highting him, as he along him of top it to would be not only most useful, but it would be politic to employ as many as our he obtained to the

(f) The Vilese priters cut for nules and shong fairly good roots, and the Boulary heelery puttern for inflord sould doe joint not be. Leather leastfund with rape it case for male lateness (f) The Ottop while we have far for large nules the disconnected by the state of the common of the viles for property and on the nules. A large stock of cuts, gaddles, and packs about dainy a be largely up at the heed-granters of each disconnect of the transport of the transpo

Colonel J 1 W lles Commissory General Beugal

Abolish at once every so called moveable column in the country, and concentrate u bater or earrange is kept up on the frontier beyond the line of rail, so that it may be ready on emergency to meet troop a sent up by rail and take it em to required haves. Nothing crused so much embar

resment in the late was as scuding on troops by rail to Jhelum or Moolian or Sukkur, the first especially, without any earninge ready to take freeps on As a matter of a source of sinkers, two little reportly, at those any charge relay to the 1000 of the 25 feet, it did not happen that any those need delictored, a studented by minlary rutherises, who effected a strading cump for troops unrising by rul. Orang to the good management of the commission of the relation of the commission of the control of the lot be used of treets. As the ruit salvanes, this apply delict the 15 feet of the lot be used of treets. As the ruit salvanes, this apply of the control of the lot be used of treets. As the ruit salvanes, this apply of the control of the lot be used of treets. As the ruit salvanes, the apply of the lot of t

levally my will remui. Where there is no demand, they will not be book.

I am not proposed to propose my scheme for transport screece beyond this, that, let whatever is been in the scheme in the scheme in the scheme in the scheme is a scheme in the schem placed on them as fix as regards obtaining currage for work out of India

Colonel B A Moore Asting Commissory General Madres

The Mult as indicel, establishment consists of one drn or to every two drught bullours and one daragah, the chondres, and four duffaders to every one hundred bulled . Their pay is-

Rs A P Rs A P 12 0 0 17 0 0 5 12 0 Chowdry Drner 7 0 0 Durogali Dulladar

The drivers are on a permanent establishment, and are not destruged when their bullocks are prounted. They are entitled to a pension of Re 2 14 after thirty restriction must consider examples are generated. Lawly we constant to a generate and a "1" rates string and a distinctive class to sharpens them from close crainfollowers in much required. It might consider models of a forthest of a preferents color and sharpe and a heart a pet de. This aut to period to present is time, the same that the period close of the period to the petition of the petitio

twenty-five camels Their pay is-Rs A P 14 2 5 Ps A P 8 0 0 Dubash Suraan

The survans are not on a parameter establishment. They are discharged the moment their cumels due and it one emel dies their pay is reduced one helf. This makes their in chicol so precautous, that there is not much held over them. They should be placed on the same footing as balleck.

drivers and be retained when their earnels die until fresh earnels are purchased. They should also receive some clotting; as recommended for bulloct drivers

The elephant establishment consists of one mahout and one cawady cooks to each elephant, and

a foundar to ten or twelve elephants Their pay is-

A founder in change of fifteen elephants mee ses Re 20 The elettendants, like the camplings.

are declared the energy of metals respirate most very at 20 The concentration, the the interment, are declared whence the deplant they are in change of the Miles have only lately been introduced into this presidency. One mileteer is allowed to two miles and a meaching to tentry the miles. Then pay 18—

The muleteers are discharged when their mules due. They should be retained until other mules are procured and they should were a distinctive diess, as recommended for bullock drivers

An elephant in carrying power is e.g. if to two camels or foor nules or a curi drawn by two drought billocks. The comparative cost, bedinding attendants pay, gear, and inculental expences, is as follows -

It will be seen that the elephant is the most expensive to leep, and it is also the least neeful in cantonment Tile leve elophenes purchased in Burner cost Rs. 1 185 erch not including. Rs. 2 1 600 for fraight. It appears unnecessary to keep up these exposure stantuals, except in Burne and Canno The last elophants purchased in Burnan cost Rs 1 185 each not including Rs 21 600 nore At all other stations they might with advantage be replaced by other earnings

L enterent Colonel M W W I longiby totang Community Sen eral Bember

The recent campaign an Afglina stan in which over 40 000 men with 8,000 horses (not including the Native contingents) were engaged proves that India may be at any time called upon to place an army of 50 000 men in the field with reatifued and supplies sufficient for the

mesentation of sold as a many salary on a very detacted in one of opera-tions, and much of the definedty expension of in the very of transport forms recent operations and great part of the lesses may, I think to set down a to the suppressioness of the army in egrel to register interpret pattern. I will essuate their that it is necessary that there solvaid be a framework of a transport species for the solved of India; sufficient to meet the requirements of an army of 50 000 men

Keeping the above figures in view, I turn to the estal hishments already kept up, or authorized to be kept up in Bengal, and I find that for moveable columns at certain stations from Dargeling and Julpigorio in the south-east to Rawal Pinds Peshawar, and Mooltan in the north there are-

assumed to be eq at to the transport of the following number of troops equipped on the movemble column scale, with seven days rations for British soldiers, and two days' for Native soldiers and horses, with a small quantity of ammunition -

Regiments British on aky (No carrage for baggage or for Butteries reval artiflery 91 gross for houses allowed, as regi-Reg ments Bestish infantry 9 ments she ld provide themselves) Reg ments Native infantry Regiments Native equality 9

But besides the more this colour extrage tiene a also kept up or authorized to be kept up, in the Bengel presidency, at statious where moreable columns are not told off, the following carriage for army transport -

Liephants 184 | Camels 2.021 Mules

equal to the transport at the moveable column scale of every equipage briggage and ammunition for-

B tish cavilry squadrous 5 | Bestich infantry regiments 4 Native earalty regiments Britienes of royal utill by 4

Nat ve infantry regiments or a total for Bengal presidency of-

Native infantily In the Bemby presidency the moveable column carriage distributed over twelve stations is equal to the transport of-

British cavilry squadrons Batteries of 103 il artiflery	Brush missiry Native en alry 31	1
	-	

and in Midris I learn that-El phrats 112 Mules 500 Camels $7l_{J}$ Pack hallorks 673

Pensions to be similar to those of the regular army for those men who have seried in the cavalry or infinitry, but on a lower scale for others

(d) Clothing to be of a serviceable color and miletril, warm and light—the former consisting of tume, breeches, leggings, and shoes supplied by the State every third year and the great coat every six years, all the light and under clothing to be lept up by the men, all the details of which would be settled in a better manner by the officers of the corps

(f) The men to be armed with the Native pritters word and the Native officers and non commissioned officers with swords and revolvers. Each man should every either a hatchet for chopping. wood or a stelle for enting ga s

(g) Mules or camels for the fighting line

Camels, carts, or cooles for the line of supply Elephania for heavy ordnance and stege train

(h) The mule is the best description of trimspot, and should, if possible, he exclusively employed in the fighting line. He is a quiet mover, our transmentally and difficult country, and presiding narrow traces on hillsides

The prek bulloch is also a good description of curringe. He is not, however, so crash controlled, as he has to be driven instead of being led

The crutel is in excellent means of transport for supply purposes along plants or sandy tricks. He is not good knows hilly country, and suffers too much from variations of temperature to be employed. over great heights

The deplant's the most sminhle for the energy of heavy orderine and sege from He is not extend in constitution which old, and requires to be well protected from the cold and well. The colds or potter of the country is most useful and a new incline or a new soft more potting light neights. ever hally country. It would be most bazardons however, to coupley but with the fighting line, as he might bolt or describat the most critical periods

Along lines of supply he would be not only most useful, but it would be politic to employ as many as on he obtained locally

(a) The Militest prittern curt for mules and along funly good roads, and the Bomba hackery pattern for bullous and, long and soads. Leather breastband with tope traces for mule harness (j) The Otago endile is the best for large males that the common pad with subsection if properly made and carefully adjusted as good both for large and small mules. A large stock of carts, saddles, and paoks should always be kept up at the head quarters of each division of the transport train

Colonel 7 I Willes Commestary General Bengui

Abolish of once every so called moveable column in the country, and concentrate whatever corrage is key to go of the frontier beyond the line of rul, so that it may be read on energency to must trops sent up by rul and talle them to required bases. Nothing caused so much embirate in the contract of th rassment in the late war as sending on troops by rul to Thelum or

Moditin or Sul kur, the first especially without any currage ready to take troops on As a matter of fact, it did not happen that any troops were detained, as anticipated by military enthorities, who mon, it can not appear not may troops more dictined, as anterpated by minterly enthlearding, who ordered a stanting comp for tensors arrange by all. Owing to the good muragement of the commission of olders, and therefore a dictionary norm as he arrived reas field, and every regions in order on without dicty, but I though me is the content of the best cannot distinct a. As the rel "distincts, the apply of commissions will describe, as they have everywhere in Indea. With the extension of relibrating, we cannot be entered will be to some on Indea as the I divine and excess, and in mother 10 or 1.5 years invited on you fill the sound of the content of the property o

invitivity an util terminal. Where there is no demand they will use be beed.

I am not inpured to prospece my scheme for a trasport service begond thus, that, let which are kept as, he suited for ped ing on raish my in I would not attempt any transport errors begond the reason of the region of the region. I would not attempt any transport service simulations committee, compared of the region practical meas, with a browledge of lands generally, which will be district. To the theory in pittings in the Dangson model can not exact. There is no points from mong the agreement of the region of the property of the proposed for the British Government. Notice would in most of the most affect of the proposed for the propo placed on them as far as regards obtaining carrage for work out of India

Colonel P A Monre Acting Commissory General Madres

The Madras I ullock establishment consists of one driver lockers two drught bullocks and one driogth, two chowdres, and four duffadars to every one hundred bullocks. Their pay is-

Rs A P 5 12 0 Rs A P Chordry. Drover 7 0 0 Durogali Duffadar

The dravers are on a permanent establishment, and are not discharged when their bulled's die, but are retruned until other bullecks are procured. They are cubified to a person of R. 3 14 after thatly the actions must come actions any presents. After the constant of a provide of its 2.8 to the turnly years served. The process not deliver, and a distinct the sets of distinguish than first other complete followers is much required. It might consest merch, of a furbrus of a particular color and stray, and a leaver spake. This, are for peer to proude themselve a with proper deliver. It is The cared extraction and consests of one surrant to every tax cannot, and one, dalors to every

twenty-five camels Their pay is-

R. A P Rs A P 11 2 6 Dubash 8 0 0

The survius are not on a personnent establishment. Fix are discharged the moment their entirely and it one come direct their part is advect one half. This males their highly nod so precares, that there is not much hold over them. They should be placed on the sine footny as I affect.

dra ers and be retained when their camels die until fresh camels are purchased. They should also receive some clothing as recommended for bulleck drivers

The eleplant establishment consists of one mahout and one cawady cooks to each elephant, and

a foundar to ten or twelve elephants Their pay is-

A founder in charge of fifteen elephants receives Rs 20 These attendants, like the cancilmen,

are discharged whenever the elegiant they are at through of dies.

Mules have only lately been introduced into this puesidency. One muletaer is allowed to two mules, and a muccadum to twenty five males Then 1 ty is-

The muleteers are discharged when their makes due. They should be returned until other makes are procured and they should wear a distinctive diess, as recommended for I uffect directs

An elephron in currying power is equal to two cuines or four mules, or a catedrawn by two drought b flocks. The comparative cost, including attendants pay, goar, and incidental expenses, is as follows -

It will be seen that the elephent is the most expensive to keep, and it is also the least useful in contonment. The last elephants purchase I in Bouna costs Rs. 1 Lis end not including. Rs. 23 600 for frogit. I typesars innecessary to keep up these expression of animals except in Burns and Cannancer. At all other stations they might with advantage to replaced by other carriage.

L'entrannt-Colonel V W Hill io gl by Act og Communary Sen emi Bombay

Ti e recent campugu in Afghanistun in which over 40 000 men The recent comparing in Augmenta in which over the own hear with \$,600 horses (not including the hatter contingents) were engaged proves that India may be at my time called upon to place an army of 50 000 men in the fell with state set and applies sufficient for the

on cover me a service and a service and a significant for the measurement of each army vising on a truly extended into of open during recent openious and great war of the losses may? I disable to end down to the support content of the losses may? I disable to end down to the support content of the army in regard to a require imaging vision. I will assume, then that it is necessary that there should be a financieral, at a transport system for the whole of fairs sufficient to met the requirements of an army of 50 000 men

Keeping the above figures in view, I burn to the establishments already kept up, or authorized to be kept up, in Bengal and I find that for moneable columns at certum stations from Danjeeling and Julpigorie in the south east to Ranal Pinch, Peshawar, and Moolton in the north there are-Elej hants 572 | Prek bullocks

assumed to be equal to the transport of the following number of troops equipped on the moreable column scale, with seven days' rations for Binkeh soldiers, and two days for Native soldiers and besses, with a small quantity of immunation—

Reg ments British ear liv (No carriage for language or for Butteries, royal artiller ěξ grun for horses allowed, as regr-Regiments, British infantry Regiments Native cavalry 9 ments should provide themselves Regiments, Native infantry

But besides the moved le column carringe there is also kept up, or authorized to be kept up in the Bengal presidency, at stations where moveable columns are not told off, the following carring for aimy trinsport -

Clephants 184 Camels 2 621 Mules

2.6 equal to the transport at the moveable column scale of camp equ page baggage, and ammunition for-British evenly sq od our 5 Butish miantry regiments

Native crealing regiments Batteries of royal utillery d Native infantry regiments

or a total for Bengal presidency of-

British existry 2₅ British infinity 13 Briteries of royal artiflery Native earths 13

Native infinitry 20 In the Bombay presidency the moreable column carriage distributed over twelve stations is equal to the transport of-

British carrier squadrous Br tish infantry Batteries of royal artillers 2 Nature en aley 0 Native infantry

and in Madras I learn that-I lephrats Mules 113 500 Cumels Pac bulloels 673

(i) If lighter and stronger carts can be made they might answer, but I have seen no out that has stood the wear and tear well in this campugn

(i) The following remarks on pack saddles were made by a committee at Quetta, of which Major

Noble was president

The Demmittee we of opens that the pack-middle has, on the whole, iccu a success, but they think the following points should be considered before objecting a pattern for future use — (a) "The leader widther with a now quite long money) or does noting it is suggested that at be made about four makes lenger and two notice deeper in the large somewhat him the pattern forwarded with these processing, we add so absorption to each made

(i) "The breeching and breastpiece appear to be made of too heavy stuff. They should also be

fitted to each mule

(c) "The under pa king or 'mulli,' which forms an important portion of the Punjab guar, appears to have been omitted allogether from the gear supplied for transport purposes with the Kandahar Field Force. The Committee consider that the galling of the nules withers by the 'roller' or 'sounda' was marnly due to this omession

or security was manny one to the commons.

(2) "The "the "de roots applied with the gow was not shift enough, and was not hitely
with keopers." Thus the ends of the "security could open out and gail the laye of the annuals
(d) The "other" or "sounds," in the present shapes and so southing to the perty at the mole,
in occompance of the companies by logical without of the forcer annual, and is insertion unreliable. to cause wither galls with pomes.

(f) "The Committee think it would be un improvement to attack the roller to the leather saddle each animal should be separately fitted. This would ensure the roller being always put on in the same. position would prevent its shifting, and would probably allevate his galls

(g) ' If the roller is not thus attached to the leather saddle, it should never be tied together with

(c) 'If the roller is not these standed to the leather saiding, is smooth naver be tent depender with strong, but cleanly in fitted unit approar? Accepted 'a blanking or sign a swood on the typer entiries (!) 'I suppeas that the postern of 'double sings beg,' which was designed by the Samb Cornation for the stratege of small arm assumation however has been followed in supplying buys for carrying communications: The large mostly single standard in the structure. The Communication of course of the structure of

correct anything that was roung up present patterns. They should be furnished only some sets of goar wheth had been strictly used on that column, and with copies of all reports on the subject. They should proprie doubted sets of patterns of each partice of the gear Cop of these sets should be forwarded to the Ordinace Department, and the other to the Commission Department.

Colouel M. J. Brander Official ing Deputy Community General Coloutta

This is no easy question to answer, the less so as the question, so for as I know, has never before been propounded and there are absointely no previous experience or data of any kind to go upon, so that may estimate of the personnel and meterial required to form a frame work of a transport establishment to enable in army to talk the field in time of war must be crude and theoretical. The idea implied I take

nt, is a shaleton establishment to be maintained in peace, which, when wer threatens, can be quickly completed by its other and minor component parts. The first essential to having a body of afficers compenses of the outer was minor component parts. The tists executed to beyong a body of allows competent to regulate and manage a transport department in time of war is to train them to their diffuse beforehand in time of pace. To this end I would propose the compliation of a carefully considered set of rules containing detailed instructions calculated to meet every concernois containing.

considered set of rues containing continues unaccourse vaccourse.

guint and convenients that my or new on field server.

The officers of the entry should be varied to qualify themselves to undergo on extensions in these rules (a thorough colloqued invariedage of the H advantant heng a one gost was), also to undergo these rules (a thorough colloqued invariedage of the H advantant heng a one gost was). a separate exministion for these who wish to quitify is the accounts branch as there should be a class of oldiners in the department competent not only to not an paymenters of transport in the field, but also to take up the adjustment of the accounts in the end of the overprige.

This last is a very imposition to consideration, for, though many officers will be found resty to perform the out don't drive of managing the transport comparatively few will be willing or competent to undertake the more responsible one of making such clear, regular, and inclining properties to undertake the more responsible one of making such clear, regular, and inclining a properties.

potent to undertake the more responsible one of maring such dear, regular, and meltional payments in such a manner as sall reduce of a today and that derived the department should have the most of 'more general,' and be a termy bed quarters. The smooth should have the most of 'more general,' and be a termy bed quarters, but a sold to the officer of the ranks of "field officer" at each demanded bed proposed to the control of the control o

to the transport department, with two pairs strong books, with guiters, and stout dark brown riding

breeches, two pure

(f) The non-commissioned officers and men should be mounted on good pomes provided with emalry swords, with wooden scabbards covered with brown leather and upped with steel, and re rob or

(g) It is implied I presume that no transport is to be kept up in time of peace, except the ordinery moreable column enrage, and that in the preparation for an every present and scalable Agency, such as council and extra characters and the east area of the department on a care corp present and assumed as at the present to develop the resources of each defends. The description of correge to be employed will of course depend on the nature of the country forming the scene of operations (i) As a rule, cancil will go almost everywhere, but recent expenence has shown that they are hable to great merially when employed in Junnées colder or wanter than their own, and that it a protocated company as undertaking, great can should be claim of these number. Explosits we much more brink, and stud vices tocked or demuty fairly well, if enough fadder is preservible, and they are well correct with the ha much ski might in oold westler. Itsless are probably the most heavy and metril of all baggage smalls. Power in thick was generally too skinder and weak to be much purpose, and have not the strength, knowless, or handbood of the male. Pack talked we good, if throughly well transed to cury lovik historical and the curtical the cartes of the cantry, which are generally found adapted to the rocks to be travered. They all go over ground wheth would know to preserved in the case of these periods.

the same time a reserve of Malter carts, the component parts of which are interchangeable, should be hept up Har sees -Good Cawapore made harness is very serviceable, and lasts, if well cared for,

a long time

in one units addition and in use by the traders of the Propals, and which no doubt they have found from the expension of generations to be well sattled to the purpose, is, I believe, the best saddle. It consists simply of a long sattled file purpose cash and of the spine, with statified frip to its out the flanks. The former protects the ridge of the back, the latter the ribs of the animal. More claherate spadles, such as the Otogo, with non and wooden frames, have been tried and discarded

Columni, J. Keen, Deputy Commun. sary General Lower Circle, Bengal,

As at present, I would have none but trained commusarent officers, commissioned, warrant, and non-commissioned, who would be well able to do the work. The present fault is that there are not enough to meet

to do the west. The present faults state there are not enough to more all should be under the parties of a empiring.

All should be under the practical commissional officer of the division.

To a division caservoe, I would have one commissional officer, a warrant officer, and a non-commissional officer, and a Notive special to imperime the transport generally. Pracy regiment of they have charge of the transport with their prespective butterns or regiments and I would also have a latter special over yellow the regiment. For one consequence officer and Native special to every Notive regiments. For any commission of the present, (a) as at present, (a) a much, deplants, or cannot for every equipment, and orms, as at present, (a) as a type of the control packety, accept for the under every notive regiments, which should be symmy cents, harness ordinary yolo, &c., (i) common tout (hump sealand well refined for that straw, ing) well staffed with straw.

camen a 8 Meben Boydy
Camency Gened is in the concamency Gened is in the conmanager Gened is in the conmanager Gened is in the conmanager of the Command of the Command of the Command of the Command
Alman Rever is the Lawrence to (f). I may may deal streament para aga I relimited
to the Command of the Command Department, as
to many, and I have subscripted for the networksion of pear years for the near current; or
I regard Lawren occupy of what I papends, and cannot gree date to most desty. But I am this
best and chargest carrange for the state papend, and cannot gree date to most desty. But I am this
best and chargest carrange for the stamp-left green green control to the
revell carry the state local, medial dest life their inclinate destruction and carried with
(8 Peter alter — Julice best, pourse toward, bellects that, cookes fourth, are the only carrange
which should go note hills

(9) He notes of cart — The American of Camera.

(i) The nature of cart -The American or Canadian farmer's wagon There is little more of it than a pole, a fore axle, and good turning genr, two upright posts, wheels about 8 feet Again, a triple pole futened to the four wages by an iron pin, 4 feet wheels, axle, and two upright posts,—a schelded, but with a pair of two of buse and rope, capable of carrying anything, made mostly of linkery. They should be got from Carada.

(f) The but yed, caddle for ordinary leads so the Native one of two poles, as was made for the Calul carrying.

Colonel B. Q Ma avening Deputy Assistant Community Gen eral Lawy for

It appears to me that if the present transport establishment be maintained, it can be expanded to any extent from the resources of the country, because each man who has been used to act with Europeans will if the permanent establishment is distributed as far as may be required among the hered attendents act as a guide to those who have been brought in from the country and prevent confusion and desertion from alarm

to ever the subtleens of the training the to Natives, to every three headred animals, and a super to ever the subtleens of Good includent Natives of the ranks, we at present (a) Notices, we the cettle of the country of any land get wild at the sight of Duropeans (b) and (c) As the remain, with autim clothing on service, according to chimate (f) A Native talwar. (c) A European subaltern, used to Natives, to every three hundred animals, and a superior officer

(d) Depends on the country to be crossed. If wheeled, only two wheels, the Vallese earls being the best, if and the mule. But these might be largely, supplemented by bullocks corrying groin as and done by the broyenes in the Duke of Wellington's war, and is still done on the Western Chats, and m Southern and Central Index. Slaughter bullocks may in a fortnight be taught to carry, and they and their loads on be eaten as required

L'enterent Celonel J. 4. Hunt Dopots it sestant Commissions General Bengul

I cannot suggest details of transport framework without knowing whether the transport is to be under the commissarint or to be a separate and distinct service, and also whether the transport is to be calculated for internal marface only, or whether it is to be the nucleus of a trans-port train for service out of India as well as for internal warface

In the first metamee little is required, but in the last extensive arrangements seem necessary

Major W Luckbardt Deputy sessiont Communicary General

(a) It appears to me very desurble that a nucleus of permanently appended transport officers should be kept up, say four, namely, two for Rengri one for Bombay, and one for Madris. To these officers should be entrusted the task of transng officers and men of our European and Native army In this manner a reserve of officers and subordinates

would be formed, from which a qualified establishment for trunsport service in time of war could be dinfted

(b) See my reply to item (a) (c) I would suggest the Laropeans to be cheffy employed as clerks to assist transport officers In these suggests are interpretable on the energy employer as cursas to assess transport outcome in the united of pyracets and the keeping of content accounts and returns. The Avives should quality themselves for the appointment's wholever filled by Notice subordinates, such as chowing, &c. (3) Since these mere would not be temporarily employed, an allon successful for their services when recognized appears to me to be all that is required.

(c) I think regimental clothing would answer all purposes, with some mark by which they could be distinguished

(7) As the title would prote very often an impediment in the performance of their duties, I would recommend that all subordinates should be aimed with swords and revolvers. (9) The description of transport must depend upon many considerations, such as, for instance, the return of the country, and its resources, the strength of the force, &c

(f) See topy to question (g)

(i) The common bullock givery of the country enewers in my opinion all purposes. I would recommend Meltess carte in addition, but the mule bred at present in this country is not large enough. for draught purposes

(1) In pole-wides I consider leather work should be avoided on recount of the difficulty of re-paring it and the greater brightly of breakage. A suddle should be mide to fix the numer it is in-tended to a and should have no staffing in the past covering the anomal's back. Sides should be well padded, and the part along the back conast of only a strip of gunny lined with thick numbah, so that the pad of the sides will press against the animal, leaving the back untouched

Capts of T F Holder Deputy Assets of Communicacy General, Rai labor

To lesp up a separate transport department would entail a vers large annual expenditure, and it would be much more economical to extend the present system of moveable column carriage. The cost of maintenance of the present moveable column carriage with the number of animals could be ascertained from the commissary-general's office,

and if it were determined to keep up fance or three times as much, the extra expanse could in that may be pretty nearly ascertained. These is no doubt that popy carts and pack-horses might be made of great use as carrage for a column in almost any country but the cost of keeping up such carriage,

give in a strong to a common in measuring councy of the common of the macrosist of the common of the present system, and this could easily be effected without a very great extra orday in personnel. The entrings would be under the commissional, and

extra expenditure on account of a new department wouldd

If a new department is to be formed, it should be distinct from and not under the commissional, ano order counting from the quarter maker general freet would deal with likes from community guards and this most fact community guards and this not being strength, the whole management would be better removed from the community of the communit

Thro in the field, with tenger noting via a large brands full of works, the support of the color of the field np The formation of a new department would, I think be a mustake I is would have nothing to do in time of perces, and it would have each a small number of permenent men in it, that to expand it sufficiently in time of wir would be untually building up a new department for the occasion

G H. B Hallen Esq General Superintendent of Herse-Breeding Operations

A transport establishment on a hmited scale should be always kent as manapora catamanamen on a minuse Suiz sumed on 1879% ASP, up in the very hot offer in all parts of India, so as to form a nucleus for development on the required sevile when found necessary, also the claim to the rough of all hunches to become thereasily conversant with the details of trusport and carriege dutes. Each airways of the Indiana minuse should have a complement of 1-majoral and currage in

proportion to the number of troops belonging to the division.

It will be sufficient that the amount of trusport should be equal to the treasporting of the troops. m course of ot heavy rolleds, and this amount a nodel not be so much as, at first through, much to considered, as every corps of brittery does not move every year, and as the moving of through mystic be on through 7 or S months of the year, so by pulseous arrangements regarding reliefs a limited amount of transport and carrage would suffice

By troops morning with the truspost and courage which ther would be entitled to on field service, and it being strictly ordered that on no excount more should be allowed to accompany the regiment, officers and men would become accounted to currying only field service neight, and would appreciate by experience the advantages of not being encumbered with unnecessary tentage and operation of experiment the normalizes of not being encountered what interest is entered for the biggings. Livin biggings should not accompany the regument of column on the meth. Parties introducements should be made for the transpart of each extra baggings, which should never be permitted within touch of the column. The comfort of hyrang but hitle baggings on field service

prespective of the expediency of only a bure sufficiency for every officer and man being allowed) will be fully appreciated. One eighth of the weight of beggage now allowed would be found sufficient Again, it may be hoped that the tents on the scale row sunctioned will be at once abobehed, and again, in may in looper lists the relevance on the relavorable gild eith for ill official by the profit field again, will be the relavorable gild less for ill officers. A pill of the whore depicting the first ill officers are sufficient with the contract and one will be quite enough for 186 dillier. The weight of most test, including regg, should not exceed 50 life.

As prill be below recommended) the transport should be of the class or dress which will be below recommended to the transport should be of the class or dress which will be below recommended.

to the management of the transport animals, fitting and loading of pack saddles, &c tion to station, that to seem thardy an officer or practice knows mything regarding the circ management, pack solding, and the louding and unleading of trusport annuals. Under a system below advocated, every officer and man would, as a part of multitry education, became patiently acquainted with these most important matters

An army transport corps on the scale above indicated should be established and kept up so as to form the nucleus for development whenever required-

(a) One director at army bend-quarters

One assistant director with each divisional head quarters

One sub assistant director at every station where more than two regiments are quartered One warrant officer or a Native officer at every station where less than two regiments

are quartered

One veterinary surgeon in charge of transport animals of each division of the army (6) The director to be under the orders of His Excellency the Communder-in Chief in India and

to have control over the department

The assistant directors to be attached to several army divisional head quarters, to be under the orders of the general commanding the division, but departmentally under the director, with whom they should correspond direct submitting copies of correspondence whenever necessary for the information of the general commanding the division

The sub assistant directors should be under the orders of the assistant directors, through whom they should submit all departmental returns, &c , for the information of the director

Warrant or Natayr officers to not us a sumlar manner

The veterinary surgeons should periodically inspect the several lots of transport animals within the division to which they are attached, duly advise as to the management cure, feeding of the aniand arrange to wheat the present was present the arrangement. It returns the manifest with reflection to number presents, and exceeds each return case over the sock and lame anomals. Veterancy returns should be submitted by them to the inspecting retensivity surgeon of the circle in which they may be doing duty.

(d) In addition to the officers above noted, the following establishment should be kept up, and

it may be here noted that the remarks are applicable chiefly to mule transport and curriage

l jemadar syce 25 syces 1 to every 100

mules (a) Pack saddles and some earts on the Maliese principle, but medified to suit local circum.

stauces (8) Mules, by for the best of all transport memoris, bong the most hardy and unduring under

continued provisions

(i) Malines ents Plan, stort brown homes, with strong buckles and trace chans, &c
(i) The Orgon side best, but the unwards is brible to be broken. The calinary Punylo
pack validits synthesis from and with as hitle needwork as possible

How would this framework be filled in time of war, and in what manner would the transport for troops moving to repress local disturbance be provided for?

Larotomat-General C T Chr heria Car late Commend of Outh Division Officers and men might, and should be, instructed in the duties of a transport corps in peace time, so as to be able to employ them, whenever

In fact there should be so many men per battalion, and certain officers, regalarly put through this duty like gun drill, or signalling, and then a reserve would be ready for war time

It might be foundle to have men extra to the reserves for the colors

registered and under engagement to serve in wax time.

In time of local disturbance currings would be pressed as in all countries. There would be no time to spare for sending for it elsewhere

I senterand Gener IV. T Hoghes OB Counts ding Sudand Dr. son

See my answer to question No 7 To move troops to which no transport is attached, it would be necessay to make requisitions on the districts

L'entenant-General J Feebes Commondanz MI on D vision

It would be filled in according to the number and description of treeps despatched from any particular station. In the event of local disturbance, transport would be provided for by lared carrings in the district

Major Gral 1 W Mac at se Can, Coming Hyderstail Subv Force Major General R. O Fright, c.n Cou mand ng Verrut D is co

See answer to question 7 If it were decided to keep up a nucleus of trusport at all stations, it would be available for any sudden emergency

Mayor Cont I W Schmader on Coundy A Date, Bornlay Army

Reply No 7 meets this question

Fide unswer 7

Br god er General G. Encross Quarter-Musier General Bomloy Transport, if required in excess of the present field column establish ments, would be obtused locally through the entil department

At strings within foreign territory, such as Deese, the durban would resist in collecting enrange

Brigad er Go eral P G Lenap stor Commundany Ceded Dastroots

A certain proportion of all envelop horses to be trained for dampht and men to ride and drive, which would form a nucleus for a military train. Such men and hosses to be drafted from regiments not unned for service, cach regiment sending a subiliers and due proportion of

non-commissioned efficies to the train on its coming on a war footing Camel carriage as now kept up for move-tible columns to be sugmented by luised summils, and to be fed by Government

Mules and pomes to be augmented by punchase

Bullocks — The leadman of trupara believes to be pad full line for the unutals he has contracted to supply, less cost of food supplied by Government

To repress local disturbances present move-like column currange suffices it to be augmented by sub 1 terms of reguments to which eatily of move-the column as vitacied, to be subordinate to permanent transport offices. Subordinate sub-blakement to be superacided from Nature reguments, but to be subordinate to parameted from Nature instrument. Yetzemany establishment to be augmented from your retermany

A war establishment would be-

	camels mules			1,000	1	salalterns		12	
				4,000	l.	men		120	
	bullocks			1,000	1	inners		15	
	field officer			1	i	vetermany stugoon		1	
uch	would be repres	ented by	neace o	estabhshr	ent of-				
	1							-	

camels 250 l

cauncis			250	Field officer	1
mulas			1 000	aubalterns	2
bullocks	•		250	men.	. 80
		farners		4	

Ragader General T J Murray, on, Meeltan Brigade. Colonel J A Tytler on, to Commonding 4th Goorkhus

wh

By purchase as lare: Trumped to repress distributes would be tooldy promuble herly. See right to question 3.

The only may that I see of filing up that financeed, would be by at once appearing a cariam number of purenously conducted young others. Each Buttoh and Nature regenerate, and men from Buttoh and Nature creatly regenerate, to very army coup or derivating proceeding on nature, and by the Government legrang up the sequents number of country and makes and posses that might be required. To enable them to de that

the Natives should be encouraged to hueed as much as possible, both

from British evalty regional to the G mules and be-

camels and under, in prace tune, on the understooling fairly if four future and seriocethic, they would be pusheded from them in one of two Acetim number of exits of the best pattern should "bury so kept on band." They seek nothing feeting I should sput the very new should be quite still the seek of the best pattern and they seek the seek of the seek o

Calenal J. Macdonald Secretary to Government, Bondan Mildary Department. By drafting a few men for regiments, and collising the followers received with camels, makes, ponces, &c

Colonel A. H. Murray Deputs Adj inst-General Boyal Artillery in Technical For the troops employed in quelling took distribuness, the existing field column, with a certain amount of little curting, would be sufficient. The personnel would be completed from the tinks of those who had learnt their dathes, and a list of which shoold be lept, with qualifications

of all

The restrict by purebree or by transfer from the permanent transport elsewhere which may be an abble this again boing made up by

purchase on the spot or where lest obtainable

On the transgency of troops being required suddenly to repress local
distantences, I would required on local resources, if not in a strice
where per manent fransport was kept up

L enterant Colonel A. G. T. Hogg Depoty Quarter Master General

In time of war, under present arrangements, transport has to be organized desires, and there is very little to garde the office a entimeted with thes most important work they have to learn before they can

natured. In framework suggested would sendor matters computinally every At the bruse of operations when all the surface of transport would be noticed, you would be made mostless and near framiture with the more important details of framework, and write the and of a hand look for transport, when may be published under withorth, trans at oasill to Granzof on any scale sequent! The only difficulty would be to the configuration of any transport could be the configuration of any late of the configuration of any late of the configuration of any late of the configuration of th

mental affices, would be wealthle
Transport for troops moving to repress local disturbance could be
provided for by hered carrage

Major A. A. A. Kinisch Deptity As istant Quart v Master General In care of small expeditions the entrage might be withdrawn from a number of negaments, and braded over to the force to be employed the regiments from whom it was withdrawn being at once furnished with new currage

In case of a regular was, each regument would actum its own trues port as a modeus, to be made up to the full complement from the reserves retained in districts, as proposed by me in replies to questions

15 and 19

Officers would be drawn from regiments, as in the case of other strift officers. By the system I propose all officers would have some I now ledge of transport doues, and the most service and intelligent should be selected for staff employment when required

L externat Colored Lord R D Kerr, Communiting 10th Russars. With respect to the latter query, the moveable column is alway

available for a perhan of the from when required

Should like evrl authorities full to procure carriage on payment from
local owners in case of disturbance, there seems one course only 11.,
to morrors the whole of the trumpert outset for the serve on the form
and district deposite to enabourseling, paying a fact is retrieve in the form
for numeric and vehicles. This would be certified out by military rude
and only in future of disturbance of districtions.

I externat Colonel J C Lo Ques in 12th Royal Lattorn Wayer J W Chaylon, 8th Hus Then own squadron and troop curts

I should say that moveable columns and regimental transport would meet the requirements of the latter part of this question

Colonel J A Buddell 12od Regresent

Deputation introduced for immediate or ordinary we to be kept in the house major department. In war time, the Luropeum and Nature might be temporarily increased by admitters from the urmy In erso of any middle meaningency driving person time, extra calling required might be supplied under the order of the cult multicates.

I enternat Orlinel T Bowland Communiting 1 5th hand sty The personnel mught be filled up in a great moveme from regiments. One officer per regiment as framper to fifter would look after all regiments are subject to all other states of the framewall transport, and there are subject as of subject to the language and know the ways of Natires who would be glid of the both. The extra material required would, as fair is summals up or a camel hand to be got by hand, as it present.

Lee terrori-Colonel D Warren Comman I g 2-14th (Prince of Wales One) Regiment.

In reply, I would record that whetever framework may be deceded on, its completeness for was should not depend upon obtaining ray, nomini effects, who can only present improved, however, it is can be of Natives and animals who may full under their charge, and who can be all spend from their regimental work, with what they are originated.

be if spared from their regimental work, with which they are acquainted.

The transport necessary for twops moving to repress miner local
distributions would be provided for by the mercable column transport
or by the local authorities

Loriental-Colonel J S Haul Comma lug 41th Regio cal From the distinct, a registry of all entitle corrages, and annunis bring Jupi by the sub director of the district or station. Of course rules as to perceived images, as he made as to perceive on a size of the results and the state of the results are the state of th

T cutement-Colonel G II Perker 92 \ Highly ders Moveable columns, commissionat, or through the civil authorities

Mayor P Stephen 401 Buttal on U So He rado By Leeping always a certain amount of transport in each station

Il fic lit gade

Mater Rugh P Person 12th

is Succe, under the scheme I propose, the supermittendent of transpart would have at his hard full information of the amount and description of entrage a subble throughout the country, and where it we to be found, the cup means of the framework to the reprimenents of was usuall has a summer meters of workers. Less without such tableted

to be made, me expressed to the future of the same of

tem of expansion would be equally up heable to external vin or internal disturbance.

Whys J D Dises Lanes and In some parts—for instance I thank, in Sind—tile camels lept by the inhabitants are regi tered.

Appendix IV 3

(1038)

If this r de were applied generally in India, the Government would know the resources of each particular part and where to obtain extrage m tome of need

Capix H ML Hutch sus, 1 Min (Prince of Wales Over) Regiment Colonel C. R. G. Funz Com-manding Royal Artillery, Meernt

The earls being in stone the beists, in addition to those already entertained, could be supplied locally

Major H C Leves Commanding I 1st Royal Artillery

D r store.

Baying no frameworl, it is needless to say I have no scheme for

filling the in

The movemble column system should be able to provide transport for a small body of troops moving to repress local disturbances

Let _I would force all owners of su table carts and animals to register themselves as the possessors of such in the offices of the collectors of the respective districts They would all have a register unpiter Government should pry them a trifling fee for registering their earls and they would understand that on emergency Government would requisition them for then beasts on casts, or both, at a fixed serred rate

2nd — Transport service depots should be established where a certain number of earts and animals should laving be lept in time of peace They could be addized for work in emforments commission to ordinace and other and could be made available for have to people requiring them

at a certain rate In both the above cases a certain amount of transport would always be ready. Animals and carts should be registered throughout the country, and collectors and their subordinates made responsible for them

Ma or W W Murdoch Com mailing DA Royal House

The regumental baggage would be complete. The ammunition columns should be nearly complete, and the com-The manuscript comments seem to entity comments, and one com-presents should be filled up by purchase, and the general trusport should be formed by a system of conducts. Thouse moving to repres-should be formed by a system of conducts. Thouse moving to repres-should be formed by a system of conducts. Thouse moving to repres-sent the formed by the first three states of the section of the part and comments should have sufficient curring for this surprealways ready

Major T. N. Handrigg Cun manding B-drd Royal Arthlics

By keeping up a careful register of all mailable carriage in the distinct calling it is and attaching at to squade aheady formed out of

moverble column For local disturbance by seizure carriage

Mayor the Hendlo & Storact, Commanding I C R H &

As described in No. 7

for local distmibance

Major C L Naime Royal Horse Artillery

The duceler and assertants, and perhaps warrant officers would be permanent. Non commissioned officers would be spleoted from those trained The extra transport energie would I we to be lived or pressed The perm ment transport kept up at each station should be sufficient

Magor P FitzG Galiney Royal Art Beer

Every thing being varyinged beforeband as above indicated, the trans-port branch of the commissions deportment would collect the currage by it gales at point peer only graped on. Neary all that votops (scope, these on the fronter for which everage must be legt up) we or or more than subsequently and could move without help from the transport to their places of modellars on Art to the effects overrist at home commissions. offices, also used be required in addition to those permissially employ ed.). If limit if people transport regulations were compiled and the ditties of the department much a solicy of a subject of a stay is garriero schools a value of the department number of extra officers of the Native army would be found fit for those duties when required I'm internal dust irbances I think the present system of pressing earnings by the civil authorities is sufficiently

Mayor W II Achie Bayal Artil

I hank the means of transport of a few brigades should always be Pept up complete In time of war the presented in officers should, as far as possible, be completed from the make of those who had been probatreners Materiel should be provided either by purchase or hire, by local distinct superintendents in communication with the entil authorities and under matructions from the director

Capia a G C Bayly 13 8th Royal tricllery

Tide ansner 7

I entenant F C Wace BA
As 4 Hazzes Mountain Battery
Pumps Frontier Force

The capibilities of each district with reference to the supply of mules and emels should be duly registered in the civil offices and thus ra tume of war the requeste number to complete the regimental &c, transport could be called in with but bitle delay and occasion should be taken during the yearly cold weather manusures to call these men and mannis out for a month or so similar to the way in which I have preposed crusp fellowers should be youly called out During the month they are called out they should receive pay, and the opportunity should be taken of seeing that their gear wim working order, for Government should only be called upon to supply gear for its perma nent establishment

Col Hugh Gough Commandant 12th Bengal Cavalry

Carele superintendents would at once organize the transport for their respective ulmy corps. The framework of the department could be at once supplemented by men det sled from a gements (not in the feld) in addition to those permanently attached, these men receiving the same staff prv The earrage as registered would be at once called in, and the system should then a orl with dispatch and regularity The above, however is only a rough idea and would have to be thoroughly organized

Captain M G Gerard, 2nd Cen tral India Horse

The remaining officers and warrant officers by volunteers from rements The Nation esoldiers in ght be men of la years' service permitted to the their pensions then—as a small percentage might lile to—with liability to serve in the transport train one-fourth only being required on peace establishment. They might relieve each other unnually on

duty on fall pay Syces and artificers must be lared as seq ured

No fixed rule can be applied for reserve animals to make a driven from peace to war footing, as it should depend on local conditions as to how they can be most advantageously employed in peace In some districts a system of boundes—so much per mensem as a taining fees, caunals to be available for purchase or his by Government—nould work well

In others Government unimals might be hared out or employed for public carrying purposes

In others again purchase in the open market might be most advisable

The strength of a division on war footing would be-4 subalterns

1 commandant

grun per diem]-

4 let class warrant officers 4 2nd , , To be mounted on divisional mules or pomes 8 3rd 15

50 5th class (sytes temporardy promoted) 500 to 1000 syces, according to the proportion of pack and drought make for that particular campaign

4 muchies 4 salutnes 4 curpenters 4 smilhs

Carts &c would be usued from stores to the divisions brought on to war footing Transport for troops called out for local disturbances would be supplied from nearest transport train

division if regimental cave age is not kept up Supposing the above division to have 700 mules, 1,300 tattoes (the former 6 lbs and latter 2 lbs

> \$50 Malteen carts 400 hight country carts ts j 44 500 pack faltoos

The strength of men would be 1 000 in round numbers, and the daily rations of division 8,800 lbs They could carry supplies as follows -

850 x 1 200 lbs 400 x 600 ,, 500 x 160 ,,		1bs 420 000 240 000 80 000
	Total	740,000

Assuming regiments to have curring for light equipment, and Labors reduced by substitution of encoders. In day's retinue would sound to be

	/antide or many section y	lbs	ſ		lbs
gunners	600 3 feld britieries)		Not we unfuntry	13 000	210 000
horses pouies, Le	200 > 1 100% Will >	128,000	followers regimental biggings, mules.	G 000	120 000
followers	900) me		carts &z	4,000	72 000
British infantry	4 000	100,000	(ruspert tram (as above)		88 000
			Total		740,000

If one half compressed provisions were used, there would be 25 days' sat one

Brigad er General C. J. Godby Communiting Punjah Freut er

In time of war I would have the establishment and system recommende i by the late Colonel Auchaletts copy of a hove memorandum I

The present meverble column establishment would be sufficient for troops moving to repress local disturbances

L extensat-Co onel C LaTouche Communicati Poona Herse

Fide unsuer 7

Prantol af er Br gudser General Godby a ma ver No ?

In aton at C a 1 J H.P M 1 colon a Comm ad a, 3rd S cd

The office of a recoffile transport would at once preced to the men of the diffe cut villages loe name, heln eg ered and require of the ate umber of an mals they e bou d to supply. The e would be handed ove to h s est 1 ment and with the ad of a few men f om t e reg ment I feel assured they could be clothed and drilled a a fewd ys Of con se te othing nd aims for the c melman would a vays be n eg nent leh ge Irunsport n supp ess on of loca d s ta banc s would e p o ded n the same a

Ma A P Palmer 5th B agai Ca al f

On were breaking out the colescope in endents would nature change of the transport held fell force the persons are in a bid ago of the lost, duties and who are not presented for the direct of the di

Officers from the rolls of re, me (al transport off ors would be selected as n s st ut super ntend ents of transport and non so med officers and men (f possible from corps not de suled for servee in the field) and be after ed for duty with the d p immental trunspot to the rate of one Nat ve sold ar per 100 an mals nod one B ts non com sa oned off e or m n pe 1000

The reg stered cho d es n b choudres Le would be e led pand d st buted. The pay of n s nt supe ntendents of t ansport and of Br test and Nat ve sold ers would be the same as a the late Afal an ar

Fo Government urchased camels the Native establ shment we ld be-

1 na b chowdry at 25 per 400 camels 1 munshi 20 400 1 jemadar 12 100

No m sa ldars as & present

In scalds urbances a con lemble ame at of t et ansport would be done by ral and circle superintendents should be able to self on their egisters what arrange non sould be necessary for collecting an mal car age at the points of deburkat on

C lon 1 H S Obb d C mmand ant 41st B od Infantry

In time of vert shamewol vould be fill d nly ornage of the descapt on room of the g l ed or room stoned Off es of Andrew reg ne is sloudd le be unde the stem I d cente to put their hands on a mind tely Under eel a ye l poccedure a n1

never be p odneed at st eto y The ways and me n of court offic als and pol ce are really wonderful n i the fatt of ev offees a them so most ne d ble I speak f om porsonal experience extending o er ave y long per od d ng which I have seen much on both я des

The frame you k of super ntenden a would be filled in by d awing on re, ments for officers and

men to such extent as m glit be necessary

To the rep ess on of sold at baness thee tage kept up for moverble so unms should a files It should always be pack or cool o see ans

Co E Dand dg spendou 10th \ m featy Ċm V le answe 7

Le tenant-C on 1 H Wer y Command g 7th host o Infantey

(c) Pe some l of office s from regenerals not employed on serve of non common as one-l office s from eavily and rtile y of men f om t e e ! populat on Clott ag and cau pment n sufficient quant hes for nereased c tablishments aloudd 1 aya be e t n sto e

Ma & el n carts an Bnals from the e y l oj u at on

A reg s er to be kept n eve y d str tof ll su t. le cara a c such e rm., to be salge t to l re at f cd tes n en er eg red I zemp t on from sael lab aty to be obtuned by me us of a tex on corts and n mas

(b) Regemental transport supplemented by local a d from the c v !

L en enan Col nel R C R gers 20 h Panj b Nati e Infan y

I confractors and e upr sss he would s e the cattle and earls of e e y vil ger unable o un I ng to b be l ghy chough for the resemption

Leu enan C n F II Accesso Command c_e 24 h Penjab hati w Infantry

As regards an epo ther troops me ong to epreshed dist baness me elle coll mans are kept up to this purpose inditie en a rays be la gely and r p dly augmented by ca age obtained thoug the c aud ont es o comm esan ta ents

L oteen t-Co on H St. G Tuck 41 Na o lafantry Superm d nt, Tran poet Trans 61s Na ve lafantry

a whatever m the manne descend a the pre-our warver a mandever provises the day how took, how that o of a thing the day of a fine that o of the theorem to distinct what o distinct what o distinct what of the distinct the said of the said t In the manne described in the pre out ans res to ramewar of the ntret in p tought the befilled in the risper d v ded nto regime all deprimental in ligner l nd as stat super n enders and European and ht e esho dince s pponted he old take all the rorde s from the director of the super n end at n charge of the tran po t

Mojor A. C. W. Crookshank Commanding 22nd Pioneers

Beginning with the latter part of the question, in case of a disturbness the local transport officer would at once tell the commanding officer what carriage was manifole, and in what time more could be get by requisition, or by calls on other stations

The officer commanding would then went, or detail as many troops

as he could move, according as he thought best

Even if there is no carriage matchile, troops our generally go out for a week or so without it, carrying two or three day? re'ens, ment following on its own legs, and flour being generally procurable in Indian villages, also wood to cook both with

In times of war, regiments marching from their stations would receive their carringe complete, and stick to it All other carriage under the orders of the commissing general would be at once drifted off either to complete regiments near at hand for their murch, in to the bases of operations for general

purposes

As the carriage arrived at the bases of operations, it would be taken over by the transport subdepartment (I have given in reply 13 my views regarding the training of transport officers) This would be organized from the officers who have been trained in peace, and consist of field officers as superintendents with er officer rank of assistant commissing general explains as assistant superintend ents as deputy assistant commissances general, and subalterus as transport officers as sub-assistant commissaries general Officers of the commissaries department with special transport aptitude might also be selected to a small extent

The commissing-general of the force would be ex offere the head of the transport, and have a trans-

port assistant. The commissary general should thus be assisted in peace time.

The two departments could thus work together without friction and jedious interference.

I prefer the transport as a sub-department to making it altogether independent-

(a) because it is very undesirable to multiply departments ,

(b) because in perce time the commissanat department must utilize and have charge of the

carrage,

(e) because as a sub department at would partale of all the prestage and advantages of the mother department, and ablize the same disbursing account, and sadd machiners ,

(d) because it would have the entire department in India to draw on for subordinates of experience both Europeans and Astres

Carrings would not thus change hands and the personnel would not, at the end of a campaign, when all the transport officers have gone find themselves nobody's children, as happened after this

camping Transport officers abund not be considered non combinate. They should command their charges, except when a senser officer as present with the coart and they would then form part of his staff. As the curring collected and despitched by local transport officers served at the locas of operations of the curring collected and despitched by local transport officers served at the locas in operation. tions, it would be tall on over by the transport sub department elathing &c, supplied where necessity, papers, &c, put as regle, and then be distributed to reguencity and departments, or organized into convoys as required

Meyer Sir B P Brombesd, 48th Return Infantry

I have already said I do not recommend any framework in time of perce The regimental transport system would easily supply all the carriage required for treeps moving to repress local disturbances. If, owing to the disturbance being local, the usual local carriage was not forthcoming an adjacent district could certainly make good any definency on short notice Bendes local disturbances do not occur without some premonstory symptoms and wrangements could, and should, always be made in time to secure the carriage

Lociemant-Colonel J J Boswell, Commanding 2nd S Lis

As stated in answer No 7, by district officers being requisitioned for the number of unimals required, and by summoning transport officers of regiments not proceeding on service with a stall of inspectors (soldiers) Transport required for troops proceeding to repress local disturbances should be summoned from neighbouring stations

Legitenant Colonel F T Book bridge 4th S Lbs

Regiments not going to the scene of action could send their transport getting fresh from the reserves of their district. Officers who have had experience in transport and with a knowledge of the vernacular, should be placed in charge of the transport of each regiment, and department, calling in all the reserves of men and entertaining fresh, bringing in

all reserve transport from district, and biying more as a fresh reserve

Carts, wagons, gear, saddles, clothing, equipments, and arms should be always in store ready for any emergency

When the war was over, the surplus anunals could be sold gear, &e , returned to store, extra men disabirged with the option of going to the reserve (up to a cert im number)

I think it would be cheaper than hung entrange and work better, as all the men would be under control, and not independent like the men (owners, &c) of hined animals

Till m by purchase of unmarks, beginning in time, and not minding extra expense, and by enlisting muletions of proper classes. Jemadans and duffedors are ready

In local disturbance use the el eleton troops of each central depôt, and for bilance required press carriage as now

Colonel W A G b Commandant 25th Madros Vatira Infantry

Major & C Ross, 1st Salas

I do not know how the framework would be filled to in time of war, but I suppose from the rial s of the army, who would be quite ignoranted their deties. To repre s a local disturbance the currage would, I presume, he requirestioned, as it always has been if the commissariat could not supply it

(1042)

Colonel S. Edwardes Commanding 2nd Bombay Native Infantry If a framework of officers, were commissioned officers, and men were maintained during puce them is a signeded in the previous answer, the stringth of the term could be sugmented in time of our to uncereasing the number of men in each troop. This could be now castly effected in the contract of the could be more castly effected in the could be now castly effected in the could be not to contract the could be not contract. The could be not contract, to serve three of them years in the based server. In this manner, on the contract of the could be not contract of the could be not contract of the could be not contract of the could be not contract of the could be not contract.

offices at var annual reconstruction of experience and annual reconstruction and passenges a homelege of the duther required.

With regard to the function the true with a favoretic, being kept up in strength in their part of find would be utilized. If in the introot, then the many and a small amount, of the true, supplemental by local means of transport, such as cooker, country carts, &c., would suffice.

Colonel W Bannerman 4th Born bay R flee. Lither by moveable column carriage or currage hired locally

Octobed J I Wiles Community

Tor represents level distributes trust to local transport or earning,
fessend Rougal.

The represents level distributes struct to local transport or earning,
fessend Rougal.

energeness, whe here done for finance, what 'are be send to show the present the control and control and control and the control and control and control and the control and control and the control and control and control and the control and the control and control and control and control and control and the control and c

Colonel B A Moore Acting Commissary Georgia Madres The permanent establishment of elephants, camels and mules could not be added to u time of war. For the represent of local disturbances, an addition to the establishment (by the procure mult is had to country hard cut's and pack beliefs, the fatter being used for grain and small arra assumention. In time of war the best play not would be in addition to

the above, immodutely to purchese and a supermission. In time of wint the least pure scorist to be in softence to the above, immodutely to purchese and a sup-commission strutus of 100 out rate and 1 milliost, as everal stations. Smart derives of the public with extile extile instancial could be promoted to party officers and placed in charge, and ordinary afterwise blood. It would have been extensive to him part builded as a large number. Townerly a best of 431 pail builded as as logic up at Kumph, which proved very useful in expurping Germit Williade's column. The cent tellow set in our verific and indiscess, and was able to meet the dements arond on burn. This head we have been known upon accommand gounds a small net of 557 pail, buildeds, was kept up at Scenades when, when the been reduced to 557. Researchy five or its past, buildeds have been added to be legit up at some multi stricture as Whitany. When the produced in the produced of a configuration of an emporate of a configuration of a configuration of a configuration of an emporate call for

Lornierunt Colenel M. W. W.t. looghby Act ng Commos.ary Gen erol. Bombay In time of wor the fired establishments of carriage and followers much to agmented by the temporary experiturating of part annuals and entits, which should be modelled on the plan through and divincing in the permanent establishments, and if possible combined with those divincions and variety with these Modellesses of divers from a genument for temporary services. Transport for temporary mercurate, are perfectly to greaters, the property contents, are reply to guestion. If they may be contents, are reply to guestion I, they may be contents, are reply to guestion I, they may be contents, are reply to guestion I, they may be contents, are reply to guestion I, they may be contents, are reply to guestion I, they may be contents, are reply to guestion.

Colesel T H. Sibley Deputy Commission General Bengal

The's meanals and men would be entertuned and drifted into the trans, and this neglet to done to the extent of \$5 per cent without much determent to the damptime or organization. To repress local determines a few Government elephorist at stations would be seed supplemented by pressed or corresponsible under contract. It make more adstral source, and where time admitted the firstsport trans from the frentier stations would be more downwarfs.

Colonel H J Brander Officiating Deputy Commission General Calcutts. The entitled effects and they anisotrates the lane circle for server as the trusport department, as develued in purpopi 1, a tooli, on the fact soon of preparation for any, he anisotrate in sect of the purpoper and the lane of the sect of the protect and eight self the sect of the sect of the regiment and field for with record from the charge of all achievable records from the charge of the charge grant of the charge grant of the charge grant of the charge grant of the charge grant of the charge grant of the charge grant of the charge grant of the charge o

(1043)

Colonel J Keer Deputy Com museary General Lower Circle Bengal

If the department is sufficiently increased in officers of all grades as recommended there will b no difficulty in appointing officers to sujeruse and suburdinates both in the case of win or a local disturbance the latter the moscable column would be available

Cal G S. Macbean Dy Comy Ge il., late in Comnet, charge Libi ber and Kutam Forois

Is part with No 7

Colonel R Q Max vir ig De oly Assistant Commissions betreval,

The transport might be expanded as shown, when critic can be collected from over a large t act of country in fame of war , but to repress local disturbances, unless Government maintains the transport from this down south the provision will simply be raine is to trade and agreealture, unless a large number of cuts are thrown out of employ when the rul begins to word In the towns there are for earls or cattle beyond those required for local tallie, and the root only munitions sufficient to pluigh &c , and I ring in his crops to the nearest town and he will not his them it any place. Seizing currings stops local traffic and agreenhure, se, revenue

Lacut Col J V Hunt Dy Asst. Com 1 stary General Beng I

See reply to question 7

Magor W Leekhardt Deputy Assistant Community General Umballa

The officers non-commissioned officers and privates who have undergone a course of training and been found qualified for employment in the transport department no ild be available, and could be distred from il ose regiments which are not required to proceed on service, to form the required establishment

the necessity transport regimed for troops moving to repress local disturbances can m my op mon with the assistance of the civil authorities always be obtained by hire.

Captain T F Robbing Deputy Aust. Comy Gool Landabar

I see answer T

J R B Hallen Esq General open tendent of Harse Brooking Operat ous

To premise as some transport rangeds under the system here suggested would be present at nearly all stations so the troops should be regularly drilled with regard to the saddling I ading and unloading of the mules also be taught how to semove the stiffing from the prek. saddles and evenly replace it &c so as to prevent the chance of galls &c

saggies and every represent the second of the country of the most crops on ardurry relied during time of peace and thereby giving means for teaching every officer and man how to load unload and thus erro for teaching every officer and man how to load unload and thus erro for mule so would it be a very easy mater to office and man the transport train to any amount required for an army in the field and the person of of such a train would on occusions of local disturbance, or at the onset of a campaign, be able and fit for their work

9. The transport of an army is now usually divided into-

(b) Departmental . { Commissionst and supply, orderance and me libery, medical and hospital, engagers.

Anadany transport, chiefly lined for general supply purposes

(a) and (b) being under regiments and departments and regulated by the staff, and (o) under commissariat What is your opinion on this division of transport?

Locatement General C T Cl von berts : 0.81, late Command og Oudh Divis og So for as my experience in the field and in perce has taught ma, I only I now of one system of transport which has been general and enturely under the commissionit

I to not consider the illotatent of so much energies to regiments and departments as giving them by control over them. No responsibility any 1 md has been involved exc pt that of meeting the com usernat bills, and doing the b st to prevent the maltrestment of animals and

I do not see may object to be graned beyond two divisions, i.e., (a) general for deputments, and (6) regimental

The latter cert mile should be quite distinct so that when sudden movements are or level, or day led columns I come necessary there shall be neither delay nor confusion and all details shall be subject to rearmental control only

Locatenzat-General Lectionant-General W T Hugler 0 to Comfoundant School Dr islan

I would put all under the direct orders of the officer communding the division, with the heads of both commission tan I transport deportments at division herd quarters and executive office is at hair le head quarters The brigade reserves of transport cuttle should supply the wants of departments, regiments, and britients

Language General J Forber Commending Minor Division.

The drasion appears good

Mayor General A W Macastare c p Comma dung Hyderabad Subadury Force

(a) and (b) must be so divided during nettral movement, but at other times the eatile should be under the immediate charge of those with whom the general responsibility for their efficiency rests. It must be so divided (c) would necessarily be under the management of the department responsible for the unahary service required. This arrangement appears to be the best.

Major General R C Bright, a.B. Commanding Meerut Division

Regimental transport should, I think, consist of sufficient to carry crump compage, hedding unmunition—in fact, everything belonging to the regiment and a certain number of days' pro issues.

The transport corps should have the conveying of everything to the regiments and to keep them supplied, and also all ammunition and stores of every description

The commissairst should have the providing of all food and the curying of all supplies of every description to ingrames formed as near as possible to the umy and moved forward as the army advances

Mayor General J W Schneuler e.z Comma dong Northern Dv-aten Benelay Almy

The dramon of transport, as above enumerated, is calculated to meet the requirements of the service. Corps and departments should be responsible for the carriage or transport supplied to them

Er g der-General G Barrons Quarter Master General Bombay Brigad et General F G Kompeter, Commandanc Coded Districts I believe it is the best

Br gadier General T. J. Murray c. B. Meelfon Brigade.

(a) and (b) to be regimental and departmental. Mules and camels to be kept solely for these under transport officer (c) Also under transport officer

Colonel J & Tythr ar, vo, Commanding 4th Goorkhas

I consider the division a good one

(c) and (d) My opinion is that all transport regimental and deputimental, should be entirely under the regiments and the depart-ments to which it should be made over at the commencement of the campugn. The general (c) should be under the commentant. A proper division, and one already maintained in India in tame of war, though the commissarite department provides all the transport in

Colonel H R B rac or Some fury to Government of Inda Multity Department Colonel J Macdons Id, Secretary to the Government of Bombay, Mulstary Department,

the fart instance, and before that for regiments and departments I think that during peace my such dismon of the existing transport will ermse needless expense At present the commissaint hold charge of, and utilize the small amount of Government carriage that is kept

Colonel A H Merray Deputy Adjutant-General, Royal Artifler) in I idla

up-an atrangement which works economically (a) and (b) being under regimental of departmental transport officers. I would not place (c) under commissioner, but under a distinct and separate branch, with its own commanding officers specially selected, to glage, as not manging you what , pol w asadt mark broaden bur beneadle and to chuses (a), (b) and (c) of question 7, have required some knowledge of the system

The division of transport abovementioned is, I consider, judicious.

I out Col A G T Hogg Depy Qu rier Master General Bon bay

the context Count Is a Linic Cline step By a Marian Strategy of the Count Is a count Is a count of the Count Is a count Is a count of the Count Is a c come are store everage and area why a furnishment of the development amphiel for the example This modif present no great difficulty it cook cops and each department amphiel for the example labels to be fastened on the numbel sheaving the number of the regiment Se, Se, and I ladge for the formers the names of whom at the commencement of the operature could be c sait regretient and angly The sal ordinate officers non-commissioned officers and men maling up the dipartment shoul! mgg). The subonimite others, non-ecomous-somed officers, and men min mg up the in just from the first be supplied from e.e. open and depertured in proposition to the curu ge required or in a wreege for this copy or depretation. They should live opened druge in the catile lines of the creage of their copy or depretation, and so in the intenset of their own cusps or departured would ree them make all circumstances well fed and erred for. This the valenting get the background of the control of the c

Mayo A 1 A K alceb Deputy Assestant Quarte Master-General

but I think that (c), though I consider the division a good one controlled 1 the commessariat, should be under the supervision of regular transport officers, and should be confined to bringing up supplies to a point to be fixed by the general commanding

Hured and unduscrplaned transport should not, if it can be morded, be brought within reach of an enemy, nor be allowed to hamper the movements of troops

Sampionant-Colonel R. S. Cheland 9th Lauters

It answers well if properly carried out, I should say.

(e) The working of reguneral trumport is not so satisfactory as it would be were competent Natives meuring a badge or diese as mail of Louismant-Colonel Lord R. D Herr, Commanding 10th Hussura suthers), selected to fill the position of superintendents or chandres. There men should be responsible for the presence at all times of the regulated number of men with the camels that they remain with their respective animals on the line of murch (the greatest delay and blocks on the read being always attributable to the divers tying all the camels in a string or falling out to smoke), and at the close of each day's number to see that the comein are duly fed. To a ment of common precention

Les tenent-Celonel J C Les Queu e 12th Royal Lanctes

cost us thousands of comels in Afghanistan The fighting men should not be compelled to look after their com-

mussauni They are solely wanted for word Ict, if requisitions be permitted, they could forage and feed themselves

Masor J W Chaplin 8th Hes

I can express no opinion that is really founded on experience but, looking at the "division of transport " as quoted in this question, I think that it is good

Colonel J & Ruddell 1 2oth Re_o mest

I am of opinion there should be one transport department, which should take charge of, supervise, and supply all the transport of the army

I entenant-Colosel T Rowland Consecuting I 5th Fund ort

I would only have the one somee of supply the transport corps Regiments and departments should indent on this for their requirements to be returned as soon as the service they were asked for in over In the last was we were supposed to base our on a regimental carriago but it was taken away precented, and retuned in the same way, until I had no notion where it was It would have been much letter had It all been then away not given had interest. I would creamy the ammunition mules They require secret training, and should be left with regiments

Londesani-Colonel A. Temple-man Commaniung 1 21st Forthers Lagrierant Colonel G F Walker, Command og 1 19th Post

As far as my experience goes, it seems a good division

I do not thank the division of transport could be improved except that I concider it would work better if the general or auxiliary transport was no longer to be under the commissariat.

Legatement Colonel J S Hand Command : 5 deth Reg ment

When on a nar footing, I think the drymon good but the whole should be regulated by tamsport officers under the director of transport, who should be an officer of the Commander in Chief's staff, working with the quarter master general

I extennat Colonel G H Farker 02nd II gblanders

I think it is good.

Mayor F Stephen 4th Balta son R fie Brig pie

The division seems good, supposing that (a) and (b) are really handed over to the departments named under those heads

Major F 9 Terry 1 2541 King s Own Border, cs

I do not think the arrangement sufficiently guarantees the economical use of the transport of an army. I think it would be better to node the transport (a) and (b) a separate department in wir, leaving () still under the commissarrd

Major Hogh P Pearson 12th

I have hitherto been considering transport only under the first of these herding , (a) Regiment it. Under it I would include so much of the sub heading Medical and Hospital as would provide for the

wrats of a hospital under the regimental system For the rest the division appears to be good

For departmental and general transport a wording staff of officers and men notifi be required. The calls upon regardents are so great that I am averse to add to them for the benefit of the

transport der trinent nor is flore in m 10 genuen, un necessit so to to.

Here us a field for the shiftes of the general damp dat, others, the could be thus utilized without extra expense to the St.te. Here could be found employment for effected wirned, advantages. commissioned others and pensioners of the British service, who might wish to retire from more active daties, and jet be equal to many years' transport work, and for Native others and soldiers who may have left the service

These anglet he desirabled according to their degree among t the several commands of the army It would be their duty to supply regiments and betternes with entrage to settle with con tractors, to pay establishments, to provide food for trusport animals to make themselves as municidually the menus in their district available for the expression of the system for war or other purposes, and to not in all matters as the local agent, and under the orders of the superintendent

Such would be their duties in times of perce

In was, they would form the working and framed striff for the transport required under headings (b) and (c), in addition to the minor duties in connection with regimental transport (1), which would devolve upon them whether in quaters or in the field

Mater J D Dyson Lanne, 3(th Regunint.

I should be melined to put commission and supply now in (i), and regulated by the stall (I presume the quoter master general's department) into (d), or the general division of transport under the commis aunt department.

Major W H J Clark e 72ml H ghlanders

I consider the first two, sor, (a) and (b), very good but the letter, general transport (c), should not be under the commission, but in charge of a regularly formed transport department

Major G S Whate 92ml Right

The regimental transport system, if more than a mere sleleton frame. work, would, if kept regimental, he very expensive. If used nonregimentally, there would be constant recumination, dischinated and great fraction in the working, resulting in wint of interest and loss

Col C R. O Evans, Communding Royal Artillery Mouret Daires I estenant Colonel I Mulchen

Royal Artillery

I think this division of transport commendable

(a) Regemental and (b) departmental —No change a pears desurable (c) General should, I think, he under a distinct transport service, but the executive officers and establishment of this service, although quite distinct from the commissions, should be under the same chref administrative officer as the commissionic

That is, there should be one head to two departments of an army service corps

Major H C Lewes Commanding 11st Royal Artiflery

When moving with troops as a division, each its own transport as whose But observes et, when temports is round if neither a whose But observes et, when temports is round if ceitin uniteral, let the stores be given over to the finish of department (accepts being pressed), and let thint department be solely responsible for the transit from piece to piece as required.

Major T. M. Razelagg Com-manding E 3rd I opal Artiflers

I would put all transport under the commissionat.

Major the Heable A Stewart Commanding 1 C Reyal Resse

It seems to me that it would be better to male the commis and Ingret to Health A Stevent Commission of the Armony of the

fore necessit ite a somewhat different division of transport, as under-Including regimental hospital, independent of principal melical officer (a) Regimental

(b) Departmental

Ordnince and immunition under commandant 101 a millery engineer park under commindant 1031 engineers medical, under principal medical officer, clothing, under quarter master general

(c) Commis unit , { supply daily supply general

(a) and (b) being under regimental and departmental transport officers,
(c) under commissionat, with its own transport officers, all of course being under the orders of the staff

Major C D Amene, Poyal Horse

It appears to me, as I read it, to be answered in Nos 1 and 7

Major P Patric Gallery Royal Artillers

Thing it on the whole, I think it preferable to the general system, although it applies more to the temsport of Linopain armies, which is all wheeled carriage and less bulky than our ire as I third all transport should be under one head but on field service,

Majat W H Noble, Royal Artillerg

or for that portion of the army which should there's he kept on an ammadrate war footing, the transport might be divided into regulerital, deputmental, and goveral

For general supply of an army in the field the stage system should be adopted, aded by the contract system

Capta a G C B viv, 13 8th Royal Artillers I ido answei 7

I enterent L. C. Water F.L. No. 3 Hazart Wor ta a Batters, Lungab Leanis elorce

I consider this a good distribution of lalor, but each action about the complete is its establishment. By this gaing each required and the latter of the recognition of the latter of the latter of the interest of each to make his own transport as effective is possible

Great experience also will be gaused by regumented others in bothing and the guest loare of jet annuals, then going for the nucleon of each diverse will also be letter ented for, and will be greater confidence when they begin to learn who are their red master, the nort they have to do,

and to whom they have to look to for the r pay clothing &c. The r gamental and departmental transport should however be under officers of the corps to a lach they belong the whole inter or comonny of each transport; usum, if rough this officer s bands to the chief transport officer in larly
as it would do a co tonne is a bere each bill the transport is lept up

The commist at nould reques special officer to superatural their transport the road world The community is not the region of the special content to september them than part that not won being tooler y to allo of a y additional claim. In regionals one of the officers might be night the night to look after its transport this officer being of course so for as possible the office who is a look of the officer who is not in a fine of peace. The officers so employed should have or,

receive a st fi allo nee for these ad I to at duties

Colonel O Williamon and Den gai Ca alcy

I think that the administration of transport of call be entracted to a single department. But I think expenses might be greatly a oled by employing non commissioned office sand hat was rather than comm as oned off eers as was the case in late cumm en

Co onel Hagi Geugl Commandant 12th Bengal Ca al y

The do son of the transport deladed us fer as tra as nathout doubt the best hitherto tried

Browd er Gene al C T Godbr Command p. I am blroad berce

I m st refer the Commess on to Colonel Nicholetts' excellent memorandum for the reply to the question subjoined -

Memora ! n by Lieute and Coloner G Nicholetts Con me da t 2911 (or o d Bel d) Rey nent Ronley at et fa try o the fo at o of a transport in callet for by the Q exter Master Ge e al of the Ar jun lette Ao 1991 for of the 2011 March 1879

No Government could afford in time of peace to keep up an amount of care go s file out for sich a force as is 10 operating a high stan but the Collect a of a mage d ff cult es attend ng the col ect or and man agreemnt of

carringe would be much reduced if the resources of the country in that re-pect vero more a curately kno vn

It wo ld not be d fficilt to register the names of all e ones of camels carts and mules n a district and the number of eich a high the o ner might be expected to fin a st ficalled upon. These tog sters might be per od cally revised by the earth officers and after each we ston returns mult be mide to general others command ag districts of the amount of carriage available ullin thei com moust organization access commissioning of sections or use manages or coverage with the fill in the form mounted using a good clean plates of these separates of these map fell to each of it of united moving general or on many agrees, and it is set to destroy which can be considered as the contract of

The one is a clare to the pressure might be more or relly distributed than it s now and as all the names and poles one we did a registered they would find the registered they would find evade any call male on them by runn ng away and taking their mumals with them as they often do

at present

It ould I bella a be very beneficial to Government and crosso much less bards in to individuals the retining my one was a dealer have summe court has environ to not profit it regard to con ous

To me ton one advantage only When earrage a got by requestion from end and or ties a great deal of thelengs to men own mg pelaps two or these animals only When up or porbas all, of these die early 11 r can p grathe less to de or ner 18 great and the pay that he las re ed less not ner by cover to lish is been the case in many instances to my knowledge in the present cam

page and it so if fourth one to you much a stances can peasation and be refused.

On the other had f the contract systems a dot to the vag can be present rates to the contract systems a dot to the vag can be present rates to the contract for large numbers of an ansis used to such that to take the sk upon he aself and at a cold be

his intere t to see that every possible care was taken to reduce mortal to

Occasi sat on of carrange

As soon as carrage as collected he quest on of organization anses and for the purpose it may be

divided into three her Is-

(1) Reg mental earringe (2) Departmental

(3) S pply con oys &c and the principle is to be left in view in organizing a transport corps would appear to be that it should be such as v ould e retleenr geberg-

(1) all mys adequate to the wants of the force

() alt js retulv tor mo ement

(d) al was the best yes ble could ton

The first req is to in an engineeration a could come to be a director of transport to edity it would be to a persuase all the transport off r under Dur eter of masport.

I am to keep the component; arts of the force adequately supplied their mge to live a sufficient receive in land for the supply of defectors to pitch a and also necessarily of the control may be net as so as they arise

Piercel r quitte vould appear to be trusport offers to brigades ass ted by Antive non commerce ned offers and all eas dra a from reg ments Tren por officers of h gade not on feld service and selected for their ablt; to keep necounts and, if possible, for some acquaintines with the nature of the immah they would have to deal with

The brigide transport officer would have charge of the departmental curringe of his brigids, and

And angular transport output toward that coming a new employment Courting of the origine, and would have a line hands the proposate of all courings, departmented and agreement. For non-commissioned officers and solidors would be tool off to all departmental courings, and if non-continuous officers and makes a money to that of Disspace coops and butteres in a proportion of about one non commissioned officer and

one soldier to 100 camels or more if requisite

These men would assert in Leeping the camel accounts and would see flat the animals indee their charge were properly fed and looked offer by the eunelmen-points on which the men themselves cannot always be trusted, as many me too sangy to buy feed wien necessary offices we sprants and not owners, and are exceless about other people s p operty and others are only too glad to get and of their earnels in order to be discharged from a dissipationable service

These officers would be on the lines of communication, each in charge of certain sixtums and the currage under then control would be organized in the Transport officers of supply same way, under non commissioned officers and soldiers

In case of contoys, these latter would always, as fur is possible, accorpany the divinous of correge to which they were attached

or build they now reasoned

As a large number of European subbers now press in the Nature langurages it might be jots the

European reguest and set lary

on a currage. But as the would zeroin a good deel

of exposure, and a least-being of language does not necessarily suppose a k-mainting of Nature, it would purbally be better to arganize it in the same may in departmental correge, but to give it over to regimental charge in every respect except as to payment

The catings of Native regiments should be entirely handed ones to them, except as to payment, which should be so the hands of the transport other Native regaments

This carries requires no assistance from non-commisstoned officers and mon of the transport corps

The payment of carriage should be entucly in the hands of the transport office a for an eral reasons the camels of a brigade me a posts constant quantity but the number with regime is in lungs Payment of energage of bregade.

varying Transfers from one regenerate members, and from regiment is in the varying Transfers from one regenerate to mestade, and from regiments to department and the right of the continually bring some continually bring some processor for the content of cannot be that have help to be been regiment. This is done necessfarts the framefor of a number of cannot be that have help to be been regiment. some other charge. To take over regumentally all the accounts connected with three fresh camels would involve much work and to truesfor them all bed again when the camels are given up would

would involve along your limit to transic data in the state of the sta

Helps to hipport was organized by the approximent of transport officers to brigades not it is now, regimes to brig fresh thouble about the parament of camelino. Canada wor in less a say from them and others nent in their places. Some of their owners had alle a sar, some not some rish on lodged to having received pay, some demond at Consequently at was very difficult, and in some instances impossible to settle the accounts

Since the transport officers were appointed, and have taken this into their own I and everything has gone smoothly, and it does not matter a better a certain number of comets are with our regiment or mother or with commission or ordenness. If the cannots permanent leave the larged to transport efficer enters the last payment in the effect one, and at hes them off his looks, and if any question arises about them afterwards at as I nown a here they came from and the transport officer his their accounts, whereas at first before the introduct on of trusport office a it is all the nears my to write to briff a dozen regiments before the necessary in formation on dd be got To summarize the above, it is proposed-Summirs

let that the available carrage in every collectorate in India should be registered, and periodical

returns made of it, \$17 that on the breaking out of war, a trusport corps should be formed of director of transport Of trusport of our of highest decimal and are and of Antic non compare oned off our and soledies,

Sel, that the director of transport should greet a time and attention chiefly to the becoming up the supply of caringe for the force,

4th, that a transport officer should be appointed to each be gade to take charge of the departmental currege and to keep the recounts of the whole carringe of the long de, regiment it is well as depart

mental, of that the earrange of European troops should be handed over to change of regiments and biteries but should be furnished with non commissioned officers and men from the tring orle ups, and

paid by the trunsport officer,

66, that the carriage of Native troops should be in regimental charge in all respects except as to pryment

71h, that departmental entrage should be entirely mader charge of the transport officer and super 116, that separation at extrage smooth be entirely motors to arge at the transport officer and super 186 for the carriage of a puly should be engaged on the two and to be under the control of frausport officers appromised to the different of those on base of consequence on

In such a country to Algebrashw, where the carrage of the army mist neces with consist

for the most put of camela, and allere extreme old is it times endered, where the grance is county and Chili og d final of empels for the most part manufable for the runnuls brought from Indes, it is radiopen able that the utmo t aften on should be paid to their clothing and food

No camel should be allowed to come above the passes in cold weather without ample warm clothing, which should be made up and served out by Government, and there should be no cut and dried rules about feed

drest rules about tood.

I below there as rule on the transport regulations that if enuels get less than a certain number of hours graming per day, they are to keep food green them but not of there are. This test is a most failmours ease, for more case emmes may get on their ground vi, once, and find food leatiful enough for a good newl, whereas is another one they may be withdrang about for the evan number of lower and only perform you have the sup micro'ds. In these two cases the quantity of supplementary food required is evidently not the same, and as the necessary amount our only in determined our tempt, it should be left to be regulated by the lord underty. But it should be always a thieral allowance for the event our a delicate amount, and soon does it subjected to much fraction to the ownsite of it through when lead in any sand on. fluctuation in the quantity of its food when kept in hard worl

The dilowance of food to ramels in the Crimer, was 9th so tharley med and 12ths of chopped stray and failing the later, 12 the of the first. There probably we little, if any, grazing in the Crimea, but the same may be said of most parts of Afghanistan that we have marched through

CAMP KOMERAN,) The 27th May 1879

G NICHOLETTS, Ineut Col, Condt . 29th (or 2nd Beluch) Rogl , B N I

Lorntenant Colonel C LaToucht, Commandant Propa Horse

I think the whole of the transport arrangements should be under one director, taking his orders from the quarter master general, my dresson of authority would in my opinion be a mistake Commissarint officers have an abundance of work to do on the outbreak of hostilities, and the herd of the department would have ample occupation in looking after the administration of the supply department, without having to arrange for the multiform defeats of 1 transport corps

Liceterant Colorel J H P Malcolmion Commending 2rd Suri

Each regiment should have transport for its medical requirements and seven days' rations entirely under regimental organization and con-tiol. The same for departments. The general transport should be a land of reserve for all requirements, and under the ordinance and engineer departments in (b), and under the commissariat in supplies of rations and forage only

Mayor à P Palmon, 9th Bongul Covaley

The division is the best possible for a force in the field Trans-The drumon is this best possible for a fonce in the field. Trans-port officers when in charge of carrage temporary allofted to a department should, while complying as far as possible with all requi-sions of the first of the departments or his representation, reserved in his solders through the superantendent of transport. No transport officers need be employed with (5) general transport, which should be monegoid and entirely controlled by the communicant.

Colonel H S Obbard Coun mandant slet Bengal Infanto

Although transport is made over to regiments and departments, and they should be held responsible for at under certain general direct tions at still forms a portion of the trusport train of the army, and I would have it all governed by one head

Colenel F Don bridge Commondant 40th N it we Industry Colo el O W Praser, 20th

Naine Infestry

Fide answer 7

(c) Regimental transport should, as now, be under regiments (f) Commissions and supply should be under a special transport department, endoance and artillery should be under regiments, medical, beaptial, and engineers also regimental

(e) Under special transport department

I ontennnt-Colonel II Wa stay, Communiting 7th Native Infants

Good, if the organization exists to a certain extent in peace, so that there may be no butch in the transition from a perce to a war

Per example, it is uncless having an elaborate paper organization for regumental transport of the latter does not exist, at all events in a skeleton form, in time of peace

L calement Colonel R J Walker Communicant 17th Bate c Infentry I think it a good division

I entenant C lonel R G Regers 20th Punjab Native Infintry

Good, but the striff should in no way materiere with the control and management any more than with any other regimental or departmental matter

The medical and hespital transport for regiments should be regimental (head s)

Heaterant-Colonel F B. Nor was Compressing 22th Panjeb batter Infantry

I consider this division of transport the best that could be devised under the system of supervision as proposed by me in answer 7—
(a) would be unkn regiments, the head transport officer of the dist

son inspecting the cattle periodically,

(6) would be under the supervision of the head transport officer, assisted by the subordinates I have detailed,

(c) but I'uropean and Nature non commissioned officers and serous should supervise as in (6)

L'enterant Colonel H St G Tacker '1st \atros infantry luis Supernateadent Transport fram, 41st Aut to Infanter

Not good In my opinion all the transport should belong to one department, and be under one head I quite agree in the advisability of dividing the enringe into three parts I evang each part quite dis-tinct. Still they ought to be all under one director. For instance if by any needent any regiment should require extra culture to mil any for any loss consed by desertion or death, it would most likely I me to be furnished from the general transport as no office curreaccould be so quiet by procured and the currege might be required ingestly and if the general transport currage belonged to mother department, with other sets of rules and regulations, it would lead to great complication. and great delay and confusion in settling the accounts

Major Sr B P Bremberd 40th Artice Infrat y

It is a bid remagement All three, (a) (b), and (c) should be under one management (See next question and auswer No 10)

Water A C W Crookshank Commanding 22nd Poncurs

So for as I can ascert on this division generally maintains in Itala, and I behave the so called regimental system to have been sigge ted by the experience of Indran eumpaigns and marches In the Jew it and

Afgiven employees a merine condition where the force of the own is and the condition of the force and the condition of the force and the collected and being possible on to the front Under such dealt tall e-the-thudsness transgements every makeshift had to be adopted to alternately push on food and men

The 32nd record of its correcte at Quette, and retained it throughout, and so did every muit on our side, and we lead no trouble, except when in the Thuil-Chotelli country the regimental responsibility was interfered with

I do not think the artiflers and engineers should be departmental, as it is just as important for a battery or company of suppers and miners to have its extrage as any other unit. The arrangement should therefore be—

(a) Regimental, including regimental medical commissariat,

ordnance field park (6) Departmental medical (brigade, &c)

postal telegraph SUIT CY

auxiliary general transport for convoys and to replace ensual-(e) General ties

(c) should be under regemental charge, every owner or attendant should be regetered, I are a number on a label, and provided with a conflicte shoung his coupleyment up to date of his being made over to regiment. At standing crups the currying to be lent or given up as may be judged All carriage would be paid by regreents, who would render recounts to the commission expedient department

womanisms

(b) should, in exactly the same way, be mader the departments concerned, it should also be available for local juspees, under the orders of the officer communicating (c) should be under the orders of the officer communicating through the chief communicative officer.

and lus transport assistant

Calonel H Busragen Command I prefer (a) regimental as far as is practicable, (a and b) regimental enturely

Lieuten ut Colonel I I Boswell Commu di ig Si d. 5 Lhs

I would advocate there being only two sub divisions, regimental and general, both under trasport officers That it should be all put under one head, are, transport

Lieutenni t Colonel F T Bally br dre 4tl Sikler Mayor A B Ross let Silbs

I approve of a regimental being under regiments. Also a larned and utility and engineers being under those corps Medical and hospital I cannot speak to

Commissioned and supply and general stoff and od is and cuds should

he under the direct management of the terns ort cress

(c) General (auxiliary transport) might be norted by commessariat of its own battalion

(regimental
ordinance and artiflery,

N B - Transport engmeets, methe il and hospital,

would be under these departments merely for feeding grooming and general care, discipline and perhaps (as a matter of distribution) pay, but all matters of clothing corresponding with long-remittiness, pensions, &c, &c should be useful the old cars of the timespart corps, to whom the men recent the moments the regimental and departmental work as over Regiments and depart ments should be only working agents over those portions of the transport corps temporarily entrusted to them

Cal nel W A G b Coop subant Solb Madras Spiles Is faults

I think this division of transport is good. I think as far as possible every department should look after its own transport. It is more likely to be taken care of

Colorel S Ederades Command ng 20d Bembry Natire Infantry

The transport of regiments and latteries should be in regimental charge, the remainder regulated by the officer of the transport trum

Colonel H. H. James Commund. ang 10th Bomloy \atz e Infantry I can only one an opmon as to regimental transport which, as at itself before, I consider should be wholly under regimental control. I speak us to glicarap, but I am strick their new be concount reasons which would multide against the plan. I believe too system causes in mome furnator regiments and as found to answer.

Colonel J Farrheother Commanding 22nd Bumbay Astave in fastry I consider it a good division but I am of opinion that it would be better to place it all under its own efficers and staff, and let them distribute it as required

Leutenant Colonel O V Tanner Commande g 29th liomber Native Infantry I think this division good, and the regimental it report should never be interfered with, or taken as my for other purposes, as it was in

Colonel † I Willes, Commissary+ General Bengal. neare to miteriered with, or taken at my for other purposes, as it was in the Kundahar column in Afglementu.

It cannot be raid that the transport bus yet been divided as detailed, it is simply being tried in a very crude way. To judge from the hopejess gate of confusion in which the 1st Driving his hyber Jones care.

was given up to the commission of the the way. I should set if I was not engaged that in other drawmen from was more speed, that it was a most with follower. The first year to be considered and the first recently for transport for m army set to the new form of the most recent in the conference which I can freet at the date, understand the language of the steedards, then waste—patences to histen to their wais and greatures: A more medicared tooly of others with few exceptions, if an even mode available for interapt riduly on the late war is unappossible to transport out of the late war is unappossible to transport and on the late war is unappossible to the contract of the contra

denings with one fourth moments or seconds outcome process and resources and with one fourth moments and the accounts round into the more many early settled. There mere was a greater must take than attempting to it were a separate transport without a day to organize of the was sample reading counts, moule so process, any where and every there. All there present and ready to desert of the hard approximately which was most off strictly done with the Amichhail lover the history of which, if ever written, mould tend more than unplung either to consume any one that transport in India cannot be arranged for in a day as had to be attempted in the late with

Cohe of R A Moore Arizon Communicacy-General Madres

The drawon of the transport does not seen smited to most the means of an anymy index. A regument a steen of transport is sell adapted for hos 1 regiments of Native arregive creating, a local wate or two Bits for Birtish indirectly and existly which first four years screece to one presidency may be removed to modeler or sent home, a regiment all systems of transport would not appropriatly rooker and it would be better in time of you to tittad a commissionist others to cash regiment, to provide for all its such as decommissionist others to cash regiment, to provide for all its such

Les tenunt Colonel M W Willough by Asi ng Communiany Gen eral Bennico I am of opinion that the regimental transport (c) should be in regimental things we stopp to questions 14 16 thin paper. The carriage for the departments (d) nouth be supplied from the transport tempor expert, and would remain at the service of each department, working under it soon defices not deportment. The number of should, I think I, be organized by, and in connection with, the transport should, I think I, be organized by, and in connection with, the transport should.

Colonel T E Sibley Deputy Community General, Bengal The division of the trumports in my opinion good but the respone builty of communities and deprehensial officers must be more clerity impressed on them, and more distinctly, enfound thin an high company. The stoke of the general and co invented diparticular transport was dearned to replace describes, equalities, not inefficient cuttle unsign the representations.

Colonel M. J. Besnder Official mg. Dopaty Communicary General, Colonia

The transport mode the basis (s) and (s) has not here I careally, regulated by the staff, but I we have only for the time being at the charged of a titrched to regunate and departments, the curve, memory-ment of earthing connected with their returns with the commerce the time position of the returns with the commercent department. I quit opinion of travegar to under leads (s) and (s) long supermixed by the staff, and that under [s] 1; commercent i but my opinion is that the emission the quitaries it to onder officered to be under of mercins and the method object in the rest of target force in the field, and the method object in the rest in curve page of tratting staff the last moment's avandar of unceptured of our sea on annivery branch to the contineers the last moment as the contineers the last memory that the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers that the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the contineers the last force of the last for

Colone, T Keer Reprist Cot true early General Lower C rule Houge) All should be under the compusement. Regimental commusement, supply incident, and howard vire, I list to present filter me not is likely controlled and grades in the department. Hence pre-trailly they may full under the staff and commanding offers

Colonel G S W them Deputy Commiss by Coloral lide is Commiss by the large of the laky borond human lorees

The alloiment of the trusport of the urny is the old system, which was worked by the commissioned department only previous to the Cobol carming in The currings was made over to regiments and other department, but it was commissional, and was looked after by

L'enternat-Calend E St. G Tucker 41-6 Anime Infantry Into Suran-win door Transport Trans-Super nie deur Transpert filst Nati e Lifantry

Not good. In my opinion will the transport should belong to one department, and he under one head. I quite agree in the sit is ability of drawling the energies of the parts beyong each puri guite the time. Still they cought to be all under one director. For instance, if by may resident any regiment should require extra entrings to mile unfer may decount any regimens more an engine extra contract to more up to any few events by describes or deleth, it would not be by the state of familiated from the general transport, we no other compace could be a quarkly procured and the oursage might be required traggedly, and it has general transport carrages belonged to mother department, and other sets of rules and regulators, it would lead to good completions. and great delay and confusion in settling the accounts

Major S - B P Bromband 40th being Infa try

It is a b d arrangement All three (a), (b), and (c) should be under one management (See next question and answer No 10)

Vijer A. C. W. Crockelank Communed up 550 d Penners

So fru as I can recentern, this diverson generally maintains in India, and I believe the so e fled regumental system to have been suggested by the expenses of Indran cumpagns and marches In the Jon Li rad Afghan camp ugus there was great confusion owing to the troops teach-

ing the brees before a sufficiency of earnage could be collected and being pushed on to the front Under such devil take-the hindmost anangements every makeshift had to be alorted to alternately push on food and men The Sand received its currage of Quetty, and retained it throughout and so did every unit on our side, and we had no houble, except when in the Thuil Chetrili country the regimental responsibility

was mituriored with I do not think the artillery and engineers should be departmental, as it is just as immativat for

a buttery or company of suppers and miners to have its currege as any other unit. The management should therefore be—

(a) Regimental, including regimental medical

Compinissiriali. отвише field par .. { medical (brigade, &c) (b) Departmental . postal telegraph SULTER

auxiliary general transport for convoys and to replace casual-(c) General ties

(a) should be under reguested charge, every course or attend at should be regatived, have a number on a label, and possible with a confincte charge for employment up to due of his long made once to argument. At faind are compute the curveys to be leaf up given up, or any to large expedient. All numries would be paid by regiment, who would rander exceeds to the commentarity. department

(5) should, in exactly the same way, he under the departments concerned, it should don be arrived for bend purposes. The the reviews of the office commanding the other benders of the office commanding through the clear commander through the clear commanders through the clear c

and his transport assistant

I prefer (s) regunental as far as se precheable, (s and d) reg mental entirely

Column R Bourngon, Commanding 4th Salds L'entenar à Colonel J J Bosnell, Command og "a i S'klo

Mayor & G Rosy let Stille

I would advocate there being only two sub divisions, regimental and general, both under transport officers

Longissont Colonel F T Rule That at should be all put under one bend, sar, trusport. br dge Ith Sikha

I approve of a required being under requirements. Also or inneced and millery and engineers being under those corps. Medical and dozutal Leimnet speak to

Commissional and supply and general staff and odds and ends should be under the direct in integement of the transport corps

(c) General (auxiliary transport) might be worked by commissariat of its own battahon

regumental ordinance and artillery, N B -Transport eigmeis,

medical and hospital, would be under these departments merely for finding grossing, and general erro, descripting, and purious is a writer of dashindson) pry but ill motives of clothing correspondence with lossy mornitaness peasures & Re. should be under discussing the adheres of the trimport corps, for when the uncertainty peasures & Re. should be under discussing the adheres of the trimport corps, to when the uncertainty peasures are the presented and departmental with as over Regime that and other than the state of the corps of the state of the corps of the state of the corps of the state of the corps of the state ments should be only working agents over those portions of the transport corps temportraly entrusted to them

Colo el W A G b Commondant 2ath Makas Natao Infontry

I think this division of transport is good. I think as far is possible every department should look after its own transport. It is more blely to be taken care of

Colonel S Favandes Command ing 2nd Bombay hatine Infantry

The trumport of regiments and betternes should be in regimental change, the remunder regulated by the officer of the trunsport (run

Colonel H R J-mes Commanding 10th Bombay Native Infantry

I can only give in opinion as to regimental trimspert, which, as strong the barron, I consider should be wholly under regimental control I spech, is to give easy but I am strick them may be economical resonate which sends militate against the plan. I believe the system exists in some frontier regiments, and in founds to answer.

Colean J Farkeoff or Commands g "2nd Bombay hat to in fantry I consider it a good division, but I am of opinion that it would be better to place it all under its own officers and staff, and lef them distribute it as required.

Lecatomat-Colonel D V Taxaer Commonling 19th Bentay Active Infentry I think this division good, and the regimental trimsport should never be interfered with, or taken away for other purposes, is it was in the Kaudahar column in Afghanistan

Colonel T I Walles Communicary-General Bengal.

It cannot be said that the transport has jet been divided as detailed, it is sainly being tried in a very crude way. To judge from the hopeless state of confusion in which the 1st DN ston Klyber Force carriege

not crognum that in other drivance them was more against the the war. I should see, if I was not crognum that in other drivance them was more again that it was much state failure. The first rest to be considered, out the first necessity for transport for m vmp, is to line; I then to value officient who is to entirest in the latest making understand the language of the attendants, hear waster—patience to lates to their natis and great neces. A more meditioned body of officers, with few receptance, than never made available for interpret office on the late war to suppossible to imagen, and to get these there was the greatest difficulty, in I we offen research by the shydral-greenal. The comment, which was the contain number of selected offeners priced at my dreposal with Nature subsolutions, was if have been for more effected, and the recounts would have been zone easily estimated. The was considered and except the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered to the containing cannot be considered for ma does not be attempted to the fact on at the fact or at the containing cannot be considered for ma does not be to attempted to the fact or at

Colonel R. A. Moore Acting Commissing General Medicas

This drawns of the tungered does not seem untied to meet the means of an owner at Ladia. A regarded a yellow of campoin to will obspield for local regarders of Andrea tungelu coverly, whose write an elec. But for Butten families and certally, which there along years service in one presidency mer be removed to unoffer or years home a regularized system of transport would not a presently maker and it would be better in time of war to ottoch a commissional office to coch regument, by owner for all with every time and of the property of the coch regument, to provide for all the very large and the property of the coch regument, to provide for all the very large.

Lontenant Colonel M W Will longly had no Commissary General Bombay I nm of openses that the regemental transport (a) absold be in regemental transport each point to questions II 16, this paper. The extrange for the departments (b) would be supplied from the transport transport corps and would remain at the service of cut department, working under its own officers and sold-remains. The numbers than port should, I should, be organized by, and to connection with, the transport should, I should, be organized by, and to connection with, the transport should be organized by, and to connection with, the transport should be organized by, and to connection with, the transport should be organized by, and to connection with, the transport from

Colonel T H S bley Deputy Community General Hengal. The drinnen of the transport r, in my op nou, good, but the responsibility of commonding and departmental officers must be more
charly impressed on them, and more definitely endoced than this
campaign. The solute of the general and on a united the artistic
focusion was desired in replice destricts, countries, and inefficient
cattle among the required transport immula

Colouel M. J. Brander. Official i.g. Deputy Commusery General, Calcutta

The transport under the beads (q) and (h) is not been. I correler, required by the test, in hos he can only for the time being at the classical or riteriord on regiments and departments, the carm, immages must of experiments and departments. The carm, immages must of excepting connected with their returns only py, and in the time general accounting for them reving with the common arms department. I carm appear of traverport under herely (q) and (f) hanges are entertially any pome are traverport under herely (q) and (f) hanges are entertially proposed as the proposed of the proposed o

Colone I Feer Bepatr C a m s sary General Lones Catel Beagal All should be under the commission. Regimental commissions, supply medical, and loopfed are hit at preact there are not sufficient officers of all grades in the depolition. Hence practically they may full under the staff and commanding officers.

Colored G S Muchern Reputy Common an General late from a search charge of the Laby berund huram Forces. This alloiment of the trusport of the army is the old system, which was noted by the commissured department only previous to the Cabal campaign. The energies was made over to reciminate and other departments, but it was commissional, and was lotel of after by

the department. If that is now to be done by a new transport department, well and good But if the currage is to be under regimental or departmental officers, who are to work the cattle, and when they me evi ended to ast the transport officer for more, no amount of reservo oht mable will stand the dram What will the engineer the ordinance, the medical officer care for the critic? Work them out and get more, complum they are not good enough, and get others, will be then cry

The transport of the um; must be under the department that entertains it, and is responsible for it

Loutenant-Colonel J V Hunt Deputy Aus at General, Bengal Ass stant Communary

I think the divis on of trusport good It refers of course to feld service. The drawback to it is that much organization is required before troops can take the fuld with the transport in an efficient state of discipline

Major W I well and t Deputy Assistant Umballa Comm stary Guiera

In the late Southern Afghanistan Field Force the whole of the transport as classified in the above question, was under the control of

the commissionat, as will be seen from the following transport rules -The formation of a transport train having been ordered by Government for service with the troops At present 3 ass stants are required ordered on service the following rules are laid down for For helpt guidance of all off eers concerned -1 The whole of the transport for the army in the

Q elta Ders Gries Khen At present assets & superentendents n o required-

Q otta Den Glav Klan 13 At present there all be rope red Na tive officers or mon of envalve ear monta-For Kol at , Quetts Ders Ghas Khan 30 field will be collected and placed under the immediate orders of the commissary general in the field or the senior commissment officer present 2 The senior commissariat officer of each division will supervise the train of his division, and he will be assisted by a superintendent of transport train for each division -Staff salary.

4 superintendents of transport, Drn Ghaz Khan 50 field officers or e prains

1 Assistant superintendent for every 1,000 camels 500 cm is, or 1,000 mules

20 for jemadar 15 " duffedar b Native officers, jemadars duffeduis, troopers of cavalry regiments, for every assistant superintendent, mounted 8 SON 1E The attendants for samels and mules will be provided by contractors—one camelman to three camels,

one mulcion to three mules, one cartinon to each curt

A namb chandry on Rs 50 to every 1,000 camels a mule chandry on Rs 50 to every 1,000 mules, a hackery chowdry on its 50 to every 1,000 casts, those uttendants will be under the orders of the

Di lies of transport officers

A superintendent of transport will be attached to each division of the army, an assistant super-intendent to each brigade to assist the military officers 1. Stope about least for each of reson.

1. As a tasks. It per about don't fee each by pake with
proport and A Niver-didn's

2. Commanding off each will retain with their regiments all the transport seque of for the military equip-

assistant superintendents of transport

office s Camp equipage laggage communicion 3 days pro-si-sons private carriago.

ment of their corps and all private carrage, and they will sign monthly returns of the carriage so placed under their orders 3 Commanding officers will return to the commissant through their transport officer all private

carringe which may become suiplus and which will Signing returns not be required again (nor can it le replaced), and the transport officer will arrange with commissainst for the Return of surpl 1 pr ate as range to transport offerer I made earn go it to to be did ted to compared ng officers neathly by pay department monthly pryment of all curage public and private,

commanding officers will be debited by pay department for the total private hire, as per the monthly returns which they will sign, audit department officers will, therefore see that all privite carriage hire is recovered and credited in public recounts to Government month by month 4 It will be the speeral duty of commanding officers to see that carriage made over to their

4 It will be the special dark of commandancy oncers to see that current mine or more that for an exact he could have chitzed at lept an efficient at the name and custody of transport makes are to time to changed by transport officers, unless satisfactory reasons are given for the cause of the cuttle having become inflicent

5 Trunsport officers will direct their special attentions.

Dut as of fransport officers tion to the following points -The transport officers will carefully see to the con-

To see il a condut en of gour det on of the genr of all the animals The mub chowdnes to be forced to repair or renew

Dut or of transport officers. To see the could tom of gear all unservice thic gear 6 They will select under orders of officer command-Selection of graving grounds supervises of of grazing ing safe and good g azing grounds, and send a Native assistant out with cattle while grazing

Picketting of eatile.

commanding officers Such animals to be separated

assistance of veterinary surgeon called for

7 They will see that all the cattle and stores are pucketted in regular order, and in spots approved of by 8 A hospital for such or discused animals to be formed at some distance from healthy animals, and

- 9 One line of march all the transport officers and their resistants to more with their respective Trusport officers to more with trumport and to war trusport and to wear some much whereby they can be distinguished as officers at their trumport trum
 - 10 They will keep order on the base of much and with space attendants, 10 men taken from each batch of 1,000 camele, assist in actording animals who To remove obstacles and reford an make have thrown or dropped their loads, and in removing

obstacles such as broken earts, &e

Il They will on occasions of the enemy attacking To place transport as a place of safety when column as attacked and to clear read for transpo a coursey place all the animals in a cheltered epot until attack is repelled

12 They will want the nate ebourdnes to purchase food where grazing is screee, and it will be "They will be a first make the standard most wall fed and cared To see caltie are fod and report negfect for, reporting ill neglect on the part of the n ib chowdries to the superint indent of transport, who will recommend fines to be inflieted on the choudry in all

cases of neglect 13 They will endeat our to enforce punctuality and regularity on the part of the attendents, and To effecte p set relity to our rean each and has being they will see that namer's use not kept laden longer kpst le langer than a necessary than is absolutely necessary. In not loading before than are required to move, and by unloading them as soon after arrival at camp as possil le. The transport officers will be in constant communication with the staff officers on this partie. Fir point, so as to ensure

this being carried out carefully 14 They will only comply with requisitions for entringe on indents after they bare been agned To comply with release only after person by commun. By the commune arrest officer of the division of brigade, turned of for without whose sauction no alteration in the distribution

of carriage should be made

To consult comm susmat affect to matters of deficulty

consult the commissariat officer of the brigade or division 16 As transport with stores becomes ava I ble, at well be sent back unde orders of commi sarrat Transport officers to more a rik cattle fetching stores officers to the depots on a ar with or without comety, as the state of the country through which it will pass

requires and as the general commanding may decide

17 The transport officers will always return with the came latch of smimals as they tale down to the depot and will being up with them a displicate of To carry up layours the invoice the owners of the earriage are responsible

15 In all matters of doubt or difficulty they wall

for the stores laden on then ammals or earls

18 Transport for the ordnance and engineer departments will be made over to officers of those Trus just for engages and enlargest departs exist to departs only 5, and an assectant on a nonlinearist of trans-to make a a not it transport of a to super no ments. Ca range that locomes surplus ofter expanditure of stores will be made over to the superintendent of the division

19 The superintendent of divisions will keep tolk of all transport and arrange in communica-S per alreadest of imagest of days on to keep sell (100 with the comment and others for the payment of the statement of all transport

on ners through the chondnes

To counters go, all relie of commanding officers and ethers 28 The supermitendent of remaport of each division will countered a every roll of carrings before sunding

it to the commission officer for cheek and proment

21 All Government carriage elephants mules, bulled a will be fed by a cattle agent with each Government cattle ful by sgents to be superised by brigade or division. These is II generally be attached to tampost offers regiments or departments, and will be supervised by the assistant superintendent of transport of each beignde 22 The hard mules to be truned and organized on

Mile train of I wel males to be e can led an Gon minent system at Ravil Pids a d Leskismar the same system as that of the R val Pinds and Pesha-

wn mule tiums 23 They are formed in discions of 100 mules und two duffeders on Rs 12 per mensem, to enforce orders and Rs 15 per mensem, with

24 Plu loads fixed for the different ammals are as Loads for animals which signiful not be exceeded follous elephrats 16 to 20 mrands, according to size of animal

camels 4 maunds mules, 2

earts, \$ per bulleel

It is the special duty of transport officers to see that these leads are not exceeded, as animals will break down after a long march 25 Printed instructions regarding care, &c., of ele-Care of elephants

Moderne for nek cattle

Post on in column of each class for transport Самр еди рато ligge montor , mental stores and provisions creary aveces

phants are sent to each transport officer 26 Fransport officers will curry a supply of ordinary

medicines and will apply for coveres of a veterinary surgeon in extraordinary cases of discrete
27 The general officer will direct an what position on the column of mar h cach class of transport is to be

and transport officers will enforce strict allention to this rule, and mange that the different batel es of transport are reads to take up their position at the proper time loading animals before they are required will thus be as orded

(1054)

Stores to be placed made a carele, and cattle round outside

28 Stores should generally be placed within a circle and the cattle placed outside all round. This formation is a protection against threves, and is the best for resisting a sudden attack of the enemy on any LOBS OF

and others of much assistance in conveying their orders to the chowdres and attendants. They should therefore use these men freely in communicating with the Artive attendants they will find it much

Strictest a lence Caforned after slark

easier to enforce discipline by so doing

29 To ensure rest for men and animals, the strictest silence should be enforced and flying sentres placed round Il cattle encomping grounds 30 In conclusion the number of efficers must use front tack and discretion in deving with the transport attendants who are nearly all burd men, specially various directs. They will find Native stiden.

Capte n T T Heb by Deputy Kei dahar

J R B Hullon Esq General Super tendent of Horse Breechner

Operations

T H SIBLEY, Colonel, Deputy Commissary-Gere at and Chief Com masarut Off cer in the Field

The division is satisfactory enough if officers communding regiments and departments or in charge of convoys recognized their responsel they and lept up regular rolls showing deaths, recorpts truefers food supplied, &c , day by day and were so enacted to give all and every information regarding the transport, maling it over afterwards with documents complete All transport should be furnished and allotted by the director and

his assistants. Only one rate-held service rate-of tentage and hag-

gree should be allowed for every officer and man, and should under no cureumstances be exceeded. Let owise true sport would be obtained by the commissaunt and other departments in time of nar by indent on the duretor

Should the transport be a separate department, or should it be under the

commissional, in Peace and true 2

Leutenant-General C T Chara OBI late Commanding barlam CSI Ondh Dresson

The general transport should in my opinion be under the commis-saint in peace and in war. The work it would have to do will ilways appertum to that department, and there would be more unity of purpose of so organized than it there were a separate transport department upon which the commissariat department arould be deported

upon which the commission departments are the earlier season of the commission of the transport, and if the new system his monoportation the commission, the head of the letter would be the best of both and districts would be under the districts would be under the district or cards departed so commission, generall, who have all associations of uniquentist to make a host proper fall either field. These has already been some experience in the Killyton of the commission of the co of the went of unity between the commissions department and the transport officers from the litter being independent, and it uppears to me that separating the two is the weakening of responsibility, which of all things is to be deprecated

I sentement General W T Hagles s.m., Communding Serband

Let teent General J Porbes, Commanding Mison Division,

Major Geal A W Mas at to cas, Coming Hyderstad Sibs) Perce.

Major Go eval R. O B gl I ou Continueding Meernt Dr. sate,

Major Ceneral H. R. Browne Command og Saugur District

I think that both in perce and wir the commissional (supply) de-partment should be altogether assumet from that of the transport,

No, it should not be a separate department. It should be under the commercial, excepting the regimental transport referred to below. The latter should include the service ammunition, 200 rounds

Under the commissanat

Ualess an enormous transport establishment is maintained in peace time, I do not see how it is possible to separate it from the commissional in war time to the extent suggested in list answer

I do not see that it is possible in time of peace to maintain transport to any extent sufficient to afford even moderate training to officers and

men of a separate transport department.

The commissional officers against this training to a great extent in the course of their ordinary duties, as they have a large requarificance in the s urces of supply, and are recustomed to movements of stores and

troops
I think on every ground transport in India should remain under

Major Central J W Schneder D. Commet dig Northern Dasen. Common army s on Bombay Army

commerciat direction The irreport should be under the commissions in peace and war, to prevent friction with another deputment. This question seems to have been fully considered by the Committee appointed by the War Office m 1865, over which Lord Strathnaum presided

Brigal er Geieral G. Berrout Quarles Master General Bendav It should be a separate department, and it is exential to success that the officer appointed to its bead should be carefully selected

Br guil er General T C hempster Con mateding Coded D streets A separate department, totally distinct from comm $\circ \mathrm{mat}$, both in time of perce and will

Bright General T J Marray, c p Mastan Brighte Colonel J A Tythe an ro, Communium 4th Gosellas If possible, a separate department both in peace and war, and certainly in war

Colonel H. L. Barne Co Soc reiary to the Government of Indea, Multiny Department.

The transport both in peace, and wa should be a separate department, and not under the commission to except as regards providing and keeping up receive animals, &c, as recommended in reply No 8

Calonel J Manda all Secretary to Go ser montof Humbay, Mil tary Department. Under the commissional department in peace, and in war generally under that department, but managed by a district transport, branch, for which a medicar megic be kept up in time of peace equals of expansion when required.

Colonel A. H. Morray Deputy

Adjust at Ge cral R. A. m. Ind a

Yes, if the State can afford to keep up a well trunel separate estabhishment, but for the sale of commony during perce the errange may be advantageously left in charge of the commencant department

I cutesant-Colonel A G T Ragg D I ty Quarter Master General Bounta; L cutesant Colonel H A L title Official is Bopaty Assistant Quarter Master G occal Transport should be a separate department and certainly not under commissionat, either in peace or war. No department of supply our control transport anangements so well as the military commander

nol imager's arangements so well as the mining community.

Under the commun unit in perce in war a regard department in
the field present over by a communicate office, who should be subject
to the orders of no one except the general officer communing. The
community garden's should in the first instance provide all currage

and all uniforcements for the currege enginely, supplied and
odditions lump obtained by upplied-these from the peneral olders communing through the quartermenter general rud, when such said by Greenmont on the recommendation of the Communicamenter of the community peneral. The community general depend on the critical traps to
be any very preparable for the twomat of carrange he supplied nor for its dripport), nor for its
misuperant condition. He should also be the special through should not be critique to right
for ground efficient would be responsible for they knowing the critique integral to sufficiently peneral
for inverse integral, has writed as number than 6 of floor of these being completed with, for the condition
of the carrange and for its organization and disposal, and for the new world have a transport superintendent

Major A A & In leel Deputy Assistant Quarter Master General In my opinion it should cutainly be quite independent of the commessions at all times

Leenteeaut-Colonel R Blundell Erd Hussers I think all trues ort, excepting that required by regiments to more them, and that required by the ordiness utility and engineers to move them, should be under the commissariat. I don't think that it should be a separate department, but a department of the commissariat

L on ionant Calonel R. S Clekand 9tl In core I should think commissoriat,

I suternat-Colonel Lord R D Kerr Command up 10to Hussars

The trunsport should must certually be a separate department at no time meder commission to control, whether an perce or with It as, I thank, firely admitted that it was the department should be desirably, but to avady must other in perce time and management a new system on declination of with which the results.

L'enterant-Colonel J C. Lo Ques e 12th Re el La cors Regimental transport, managed solely by regiment

I rateaunt C leach C Luck Co ma di g Iolli Hussars Major J N Chajl a Sth Hassars

Should extrainly be a separate department

I consider that the transport should be under the commissarint in
prace and war. If not, I builty see how they could be kept in a

Major F. A. Wood 1001 II state

stric of efficiency in time of peace

In my opinion it should always be a separate department, and should never, under any encumerances, be under the orders of the com-

missimal never, under any circumstances, be under the orders of the commissimal.

It is a quite sufficiently important and large business to require

speerd men, speerdly traited for its proper execution.

The commessant also brice quite chough to do without living to undertake the responsibilities of a freesport serve or addition to their own a bloom.

Crpt va J. A. S. Vlackeume. 9th Laucers The transport should be a department of riself, both in peace and war, so that there might be no clushing with the committent. The transport department would then alone be responsible for the carriage of the arm: Appendix IV] (1056) Colonel J A Reddelf 1-25th

Rea nent.

Locate ant-Colonel T Roy last Communal is a 1 fell Figul era

Le terant-Colonel M Maegregor, 1 18th (The Boyal Justo)

Lies tennut-Colonel & Te apleman Communicating 1-21st Possi ers

L'entenant Colo el G. F. Walker Communication 1 1281 Post

I external Colonel G W. Prest Count d ng 31th Herme t. L'entennat. Color el I S II a id. Con nenda g 11th Regiment,

L ente ant Colonel C R ha onles, Communitary 97th Rec usest

I cuten at Colonel G Ħ Parl er 92ud H ghlanders

Major F Stephen 4th Buftalion Rifle Brigade Major F S Terry, 1 25th King s Own Bonderers.

Major Hugh P Peurson 12th

Major J H Campbell 33rd Regiment

Major J D Dyson Laurie, Sith Regiment

Major W II J Clarke 72nd

Highlanders (upta 1 H MT Hutch son, 1 14th (P W O) Regiment

Colonel C R O Evens Com-manding Royal Artillery Meesnt Division

Leentenant-Colonel F Letchen, Royal Artillery

Major H C Lewes Command ing I let Royal Artillers

Major D T Hume, Coundy C C Royal Horse Artitlery

Major W W Murdech, Com anding E A. Royal Horse Art Bery

Answered by the previous answer (9)

A semunte department

It should be under the commissarrat at all times

I have had no experience of the internal working of these departments, but the fener departments a regiment has to deal with in obtaining the requirements of moving the better

I certainly that transport and commissaint should be separate departments, both in peace and war

In my opinion, there's under the commissional

Sepurite department, both in peace and was Consider there should be a separate department to supply regimental

and general transport at the commencement of a campaign A nucleus of the transport department to be maintained during place, commanded by trained and experienced officers belonging to the department Under the commissional in peace, a separate department in time of

Tear Separate, as previously suggested (unde apswer to question 7)

In perce a moverble establishment sufficient for a fixed proportion of regimental and departmental transport should be handed over to a sub commiseum department for transport with autonomous organiza tion, but subject to inspection and regulation (so far as keeping rendmess for um is concerned) by a director and inspectors attached to

leadings to us a concerned by a director and imperors attended to the quarter master general's department.

In wal a bould recommend that this perion of the commission department, for the requested to department (e) and (f) expanded to requirement should be spararded from the commission of department and headed one to the director of interspert, (e) this supply of first number of the commission of the director of the supply of first number of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director of the commission of the director indinied for by the director of transport as required

It should be a separate department, independent of the commissanat at all times. Its duties would be to supply every department and branch of the service with mithorized curringe

Certainly a separate department. By mixing the distinct services continuous only mixes. The commissance officer, however good, has sufficee it work without baring the transport. I considered that the transport might have been administered successfully as a sub-department under the commissariat, but the experience of the late was inclines me to believe that a senaration had

better take place It should be under a separate department, both in peace and war

Sepurte from commissiont

I do not advocate a separate transport department for this country. The commissional department, if made more of an army defautment and less a enal one, would in my opinion be more generally efficient for all war purposes

Separate as in last reply

The transport department of the army service corps should supply all corresponding required by the commissation department of the same corps, as well as to regiments and other departments both in peace and war

A separate depurtment, responsible to the quarter master general

It should be a separate department, both in peace and war

The trusport should, I consider be a separate service in peace and war The commissariat officer would have quite enough to do without

the transport By having the trunsport separate, you would get officers who would study the subject. Requiremental officers ingular be attached to a transport establishment for a short time for instruction (1057)

Major T. M. Hazeli gg. Com manding L-3rd Roj d Artiflery

Major the Houble & Stewart Communding I C Rojal Horse Artillery

No -It should be under the commer want in perce and war

The trum-port department undoubtedly should be a separate department from commissionat in time of war, and therefore in time of peace, as nothing is more fital than changing a system at the critical moment

Mayor C E Nairne, Boyal Horse Artillery

Undoubtedly separate The commerciant department base already more work than they can properly perform The only transport they have under them in peace tune that I I now of are the bulloel s for second line wagons of artillery, which are throst invariably neglected and out of condition, and that

Major P FitsG Gallwey Royal Art Hery

this is from imperfect supervision is shown by the fret of their improv ing in condition directly they are made over to batteries for march or No only a branch of the commusarrat, which latter should be

Major W II kohle Royal Artillery

divided into supply and transport, but both under the same department in perce and wir I am na favor of a separate transport department The legitimate duty of the commission is to provide and issue

npplies
No n tor ultra crepulan

Carfam G C Bayley, 18 8th Regal Artillery I culcuent F O Wase EA P 13th Prostier Force

Fide answer 7 A separate department in peace and war. For all questions of transport the commissional should be considered as distinct as any other department

C lor of O W lks son 2nd Bengul Ca ulry

From what I saw and heard on the frontier in the late campaign, I think the transport should be a separate department

Colo el II gl. Gongi. Consusuiù ant 12th Bengul Cavairy Capta n M G Control Ja lea Hors G Gerned 2nd

Should the tanneport be placed in a nultiary organization, it should be a separate department, or associated with the quarter master general's detartment, but under no encumetances placed under the commissiont A separate descriment most decidedly, no matter how skeleton the

Timend or General C. J. Golb. Com andreg Punjab krout or Larre

framework in time of perce As regules supply it should be under the commissant but that the commiss arrat control over all carrage made over to transport department should cove

Licenteen it Colored J R P Melechanon Comm and mg Sed S and Horse

Les tenant-Celonel C Les Toucl e Co uses dant Poor a Hesse. I am an advocate for relieving the commissariat altogether of carriage arrangements, and having the transport in a separate department both in peace and war W to the except on of that under regimental control, I think all the test should be under the commiss uset, both in perce and war The

Major A.P Pelmer, 9tl De gal

hand work of the commissariat peace establishment would naturally be larger than those of regiments and departments No portion of the trusport d pariment that has a military organtration should be under the commissional in peace or war

Colonel J Doron Comman i ug 2"ti P tapub Nat ve Infantty Colonel H 5 Others Commo d

I should my a separate department, but in the case of Natice army, I would as great the transport being under regiments both in peace and wa

ant 11st hatere I that try

The transport should be under the commissional loth in perce and war. But I that it would be a good plut to appoint superior officers as superintendents of transport. vide unswer T(a)

Colonel F Dunds lee Communiting 40th Nature I for Ly Colo el G W Praser S9th No t ve Infantry

I ide answer 7

I enternal Columb II Morsbey Communiting 7th Salase Infanty

I consider it should be in entirely separate department, distinct from the commissarrd both in peace and nar Have but little experience of the subject, but am of opinion that to wood friction, the true-port officers should be subordinate to the com-

mrs. und Actual transport disties do not require the supervision of superior officers. Active coung subalterns we quite expuble of looking after their own particular sections of the tran receiving their orders direct from the commissional officers of the column

L suterant Colonel R J Walker Commandant 1"th Notice Inf utry

I then the transport should be under the commawarest at all times, but I would make it a more separate branch of that department than it 19 HOW

Lientenas t Colonel R G Rogers, 20th Pupph Native Infantry

The regimental transport should be entirely under regimental control at all times, as should that of the artiflery, the departmental and general under the commissaorat or special transport department. All should be available for Government work at all times under the orders of general officers commanding

The commesculat (or transport if established) should alone purchase to read multiplicity of purchasers and enhancing of rates, and all trunsport should before purchase be passed by competent committees, as are remounts

I cutement-Colonel F B Nor man Commanding 24th Pm jub Natu e Infantry

Under the commission that in peace and war. In we an officer of the department, relieved from all other duties to have the general superintendence of the transport of a division, with subordantes as already detailed I consider it most undescable to increase the number of departments

Lesternat Colonel H. St G Troker flat dut to Infantro I to Superitorde t Truspert Trus, 41st Aut to Infantry Major Sur B P Bromboad 40th Dairre Infantra

It should be un enturely distinct department, leaving its own officers, und should be under the orders of its own director, who would take his nestructions from the quarter muster general, or, in time of war, from the general officer commanding

I am well aware that this is a burning question. I however, after my own expensions and observation, have no hesitation in saying that

the transport, at all times should be under the commissaint. In time of peace, it is a term of the commission of the contract of the contract of the commission of the comm charly defined duties and responsibilities—see recompanying memor indim, and though subordinate to it the commissaint should not interfere with them, but him its connection with them to giving on a commission was not interest with term to plant its commission with them tool; there of all amongs required, belongs them to obtain force; and explicit for their estills and drivers (in an enemy's country, it in y brighes that the commissional is the only source of supply), and—this toolly is one of the clock resons: why the transport source must be attached to the commissional department—examine, such, and estile all there recounts

Major A. C W Crool of and Common ling 82nd Pioneers

I has a neswered this in my replies to questions 7 and 8. The transport should be entirely under the commissatiat department in time of peace and form a separate sub department in time of war

In time of peace the commissionat department, who meetly use transport, have a large framework already in existence, and the executive commissional officer can always act in a dual capacity when he has no assistant for transport

I deprecents separate departments Once everies earlier and try department, however small, and it begins to make work and grow Past in resistant is writted, then a deputy, here a deal and there to degree to make with the grow. These in research is writted, then a septing, here a deal and a cheel, do pressure and office serrants multiply, tent, 80, therefore, and in a short time you have no overgrown deportunent which has to be set down.
We have already for too many departments

Major F F Rangelt, 4th Goodston

It should, so my opinion, he either in peace or war quite a separate

Colm of H II manding 4th Sikhs Boszegen Cour

Separate enterely as a transport department, and the scenar the bet-ter. The commission department has always, in peace and war, more than enough to do departmentally, and would, with the transport addition, probably cause a breakdown

I cutenint Colonel J J Boswell Comman dwg 2nd Stal s

Definely separate, both in perce and war, from commissionat department I am of openion that it would be better to be a separate depulment I wat Colonel P T Bustlendge

Major A. G. Ross 1st Sill s.

at all times It should be separate in peace and war, and quite spart from commiseumt. In tru the transport should be generally controlled by the

Color el W A G h, Con mandant 20th Madras Autre Jufu try

quarter master general or deputy quarter muster general If expense is no object, by all means have the transport a separate department. The commission must have enough to do without that, but two departments materia of one movus more expense. Perhaps it would be cherper if it were made a bound of the commissariat depart-

Colonel S Edwardes Compand ang 21 d Bounky, A to a lafter tre

ment

There should be one department called the " commissant and transpert department," and forming a brunch of the general staff of the army. The officers should be conversant with both the commissariat and firmsport duties, and be employed as occusion required on either

Colo tel W Estingues 4th Bombay Rafes

I am of openion that the transport should be distinct from the commussanat

Colosel H 11 James Car sund ng 10th Bo 1 bay Natise is f 1 fry Colonel J Furi rotl v Com unud aug "Sa l Bombay A tave Jufn try

Separate from the commissional in perce and war A separate establishment in peace and war

Inculement Colonel G V Tanner Common ding 28th Boutey \ 1

It should be under the commissanat, who are responsible for supply

Colonel J I Willes, Commissary General Beogal

All transport must be under one department, whether commis analy It cannot be expected that camels at one time in charge of commissarrat, can at another work under, say, quarter master general, with "acraich' officers hastily collected together I say, let the transport-that is, every description of animals-be at all times under one department I am quite certain at the same time that no other but the

Colonel R. A. Moore Acting Comm stary General Madras

commissariat can manage it, unless another department is trained to it The difficult task of supplying an army in the field is simplified by unity of control, and by all concerned worling under one head and in one derrutment Instead, therefore, of creating a new department such one deprement instead, successes of evening a men deprement seen as the transport corps, when were breaks out it would seem preferable to attach the additional officers required for supply and transport to the Without transport, the commissional cannot furnish the supplies on which

commissiont department commissive apparatus "Mindel trimsport, we commission amount in supplies with most the subsidence of the whole army depends, and not it is shed duties which cannot see the desires read from it, is to I can put the requirest temperat. It also appears advantable that the department which in time of peace readers to Government the accounts for the expenditure for vary supplies and transport should continue to do so in time of war

Local Colesel M Willowship Acting Communitary General, Bern hay

The trusport should be under the commissionat, both in peace and war In India at the present time it is practically under the commis-sariat in peace time, and the whole of the duties connected with its pay, equipment, employment and all matters of interior economy fall upon executare commissariat officers in whose charge it is placed, and to a hom

it is indelited for such discipline and expansation as the possesse for these of their in addition to him own leptantiat with, and because the first in addition to him own leptantiat with, and too heavy for my one office to pushing inpostily and thirrifore in present me in additional offices, who should be innohunted to the commensate depriment, should be impromoted to the change of the field column extrage at each large center. In war the head of the transport to a new range or the free communications as two args conce. In war the head of the trappert should be subordinate to, and receive his orders from the communicary general with the force, the staff of affirer of the tran bring entirely defined from the communication, under the orders and of the entire disposal of the head of the transport.

Colonel T H S bley Deputy Communicacy General, Bengal

The transport is so intimately connected with the commissania, that I am of opinion it should be under it both in peace and in war Both have been tried In Abyesian I believe a distinct transport

Column M J Brander Offersting Departy Community General Cal-

depretment was kept up under its own director, it he was subordinate to a controller, the latter being the senior commissions officer in the field But I have been informed that the accounts, returns &c , of this and sower could be cleaned up to their write of the analysis were us a state of time continuous, and sower could be cleaned up. In the late company, the trusport officers were under the circle control of the commission t, but owns is then write of that using, inexperience, and general unfilled the soil, thus system field. Them both the whore undersees it may be defined birth x fully officered

the work, this system failed one one, one system and a run bone are more unantees it may be deduced birts. It [ill; officed and a pre newly-throad body of editors to imange the imagest is fined of the measured and shound in my answer to question I, I consider the transport should be under a separate department in time of vira, but not in time of poses, the present commissionst argumentation being sufficient for all swell requirements, and the transport claiment immatisment being quite measurement on give occupation as to its management to a separate brunch of the service

Colonel J Lene Deputy Com m star; General, Lo er Circle, Dragal

It should be under the department which has most to do with corri-

able to get with confilence and decision

Colon I G 4 Nachero Deputy Own var Ce er I late in Com-mals 2 at charge of the IClyber and Munm Force

If the commissanat department is to be greatly increased in strength of officers and war ant officers, leave the transport under it If not, sustitute a separate department, for at present commissional officers have a great deal too much work on then hands, and will be glad of the

Cloud R Q Mannarag, Digate A su ant Community Seneral, Lamp &

The transport should not be a separate department, as the more departments there are, the more latches there are in work, and the communicariat is completely dependent on transport both in perce and war

of the commissional and belonging to the quarter mester sense is required by commissional and belonging to the quarter mester sensel's deportment is glaringly exemple.

• ha spites

• ha spites

the ratillery or Duropean regument require a cart, the requisition must be sent from their quarter in the extreme cast, past this office, to the quarter master general's at the west end, whence it returns to this office in the centre and the order goes to the cittle lines in the cast and Dither the quarter master general's department should tale charge of the cittle, in the same manner as the cavalry and artillery do, or at should be left enturely to this department, but this all probably never be accomplished until English generals learn to consider an executive commissional officer as much a part of the working staff of a division as the assistant quarter-master general

L catement Colonel J V Hunt touty Assistant Commissing Deputy Ass sta General, Bengal,

I consider that the transport should be under the commissarrat, both in prace and war. Its separation from the commissariat during peace time would be creation of great expense, and I cannot see how it can be worked separately, noless the supply of curage, as well as its manage ment, be entirely taken out of the hands of the department

The control of carrage is greatly dependent on the power of hirtog and discharging it and the payment of the hire. All these matters should be in the liands of the managing department

Major M A Reviewdon Ix tutter of Commission t Accounts Bombay

It should, I think be under the commissant in peace, and in war it should be a separate department superintended by commission of olders specially detailed for the work, and relieved from all purely commissions.

Major W Lockhardt Depoty Arasta t Commissary General Umballa

The transport department should either be made a separate depart-ment altogether, or, if placed under the commissionit, made to form a separate branch of that department

As it may not be considered describle to create a new department with the power to dislurse public money, and as moreover there would be a general control over the expenditure of the transport department if placed under the orders of the commissus general, I would give the meserence to the latter course

Captern T F Hobday Depairs

If it remains under the commustrat in peace time, there must be a considerable saving in expense, and if the commissaint were granted enough werrant and non commissioned officers to manage at in war, it would I think be satisfactorily and economically done with the hearty co-operation of commanding and other officers to whom the carriage might be temporarily mide over

Without this co operation no department could manage carriage or prevent its getting confused and mixed up.

J H B Hallen Esq. General Sundt., Horse Bueddag Operations

Most certainly a separate department

How can Indian transport be employed in time of perce? Can it be employed by departments, civil and military, or in such work as bullock truin, &c ?

L'outenant-General C T Chaus berlein 0.87 late Command og Oudli Disusen.

It can take the place of the present moreable column coverage It could work from Jhelum to Lunds Kotal and Jhelum to the Power Kotal

He could be utilized from Rawal Pinds to Murice, Umbrilla to Simis, Sabrumpere to Musscore Mordricked to Natur Ital, Barrelly to Mann Tal, Shingere to Denjeeling, Morar to Diologic, Lineknow to Sitogur, and as feeders from large cutes to lines of railway.

and is receive from range cases to mees of market before the public would be considerable gruners from well organized trains, but private interests would suffer probably.

I do not think the civil authorities would find employment

Legitenent-General W T Hughes 6 B., Communiting Surland Division.

In time of peace the transport attached to bigardes, regiments, and batternes could be advantageously employed by both civil and multary departments, but under the direct supervision of the multirry authorities responsable for efficiency

Lagricount-General J Periors Communication Made Discusses

It could be employed in this manner in small quantities, but large demands on it would not be hiely to mise in times of peace

Vinjer-General A W Vacantire C B Co in sailing Hyderabid Subsudstry Lores.

The transport of this force is already to a certain degree occupied in meeting local requirements of the troops. Any employment that tales the transport of the army beyond the supervision of its own department is open to objection

Major General R O Bright c.n Communiting Merrat Di 1980a.

I do not think it can to my considerable extent. In time of war all deputaments have more well thrown on them Bullock trains, where departments have more well thrown on them. Butlets traits, where they still cust, become undependent for the supply of the twops. It would be letter, and I think a cheeper plan, to radiation Natives to leep mp a sufficient supply in the dustries. It supposes to me an excellent exportantly is now affected for forming and withining is transport corporate to the training to the training to the training to the training to the training to the supplying of the property design in the training to the supplying of troops of Cardia, Pestin, and Kurtan valley, and also the complying of troops of Cardia, Pestin, and winterest often statutous many executably be held thus. This would give winterest often statutous many executably be held thus. This would give employment to a very considerable amount of trusport, modil be on excellent opportunity of teaching officers and men their duties, of testing may system that may be adopted, and at the same time paying its very and doing good service

Major General H B Browne, Commanding Savgor District.

During six months of the year transport could certually be utilized in increment of troops by road to a moderate extent. But during the hot serson it must remain idle at the public charge, or be discharged

No doubt end and nultiny departments could affect some comploy-ment if the rates charged for the use of public transport should not

exceed private contract Enflect from work would only embrace one particular class of land carrage and not a class saudable for field service. Besides, any extensive employment of multiny truspent in the bullock-trains would desergu-te that service, if the transport should be at any time orthidrawn.

Major Central J W Schne der, Tield column carriage is already employed by the commissarint

Command og Merthern Dan department. If the framework of an Indian transport were established ton, Bunbay Army on a larger cale than the present proportion of field column currence, and it proved to be in excess of military requirements, it might be utilized by evel departments on payment, if they desired it

Indian transport could be employed in time of peace by the com-mission and other departments, and in carrying out the annual reliefs Brigad er General G. Burrett Quarter Master General, Bossley of theore. The field column entirings is so utilized now Available for all minitary purposes in time of peace. Doubtful if it

could compete with evil carriage. No such thing as bullock-train in Madras presidency

I see no reason why it should not be so employed I do not see why it should not be so employed

by the eavil population

Colonel H. K. Berne on Secretary to Go convent of ladar links tary Department Some of the public transport can be, and is now, employed in station duties, gardens and ambulances for the sick. It is not maintained at a strength that would admit of providing for bulleck trains If it were, and the animals were so employed in time of peace, they would only be available for service at great and serious inconvenience in other direc-

tions, while it has always been found that Government animals left to the erral departments are hable to be neglected and deteriorate Colonel 7 Macdonald Sorrelary to Government of Bombay Milatary Department, Except in entrying Government stores, I know no other way of utahang Indian transport during prace. The rates that would be charged for its use, if hered to the public, would provent its being generally used

Colonel A H Murray Deputy Adjutant General Royal Artiflety in India In cluben word, and an certain esset and under certain conditions beyond the strates on insparent of endemon stores, So., but not for far It should then be properly organized we for way, and thereby give op-portamized to officers of obtaining expenses on the non-large of the system. There are Now strates there trappe not, cannot be found for system. There are Now strates there trappe not, cannot be found for a certain portion of transport, certainly with benefit to themselves and to the advantage of the State,

> Public critile can be usefully employed in times of peace (where the moverble column system would not be thereby miorfored with) under the rules now in force for the love of elephants, &c , to evil departments, but I doubt the descrability of using Government draughs entitle to nork builted, trums

In time of perce Indian temsport can be employed by the commissarret, under orders of the melitary commander, for station work and for ordinary movement of tenous

I do not think my organization of the I and indicated would be found to work well unless the country was bonded over to the multiary authorities and Government organized on a military system

As already proposed by me transport when not required for neural military work, might advantageously be employed in station or departmental work, such as ploughing in cauteaments, bringing in supplies for communication to the would never do to employ number in the bulled from, which would probably collapse on their withdrawal, at the tery time that its services would be most required

Speaking of places life Mhow and Ahmedingur, the only stations I have been quartered at, I should say that it could only be employed to a very lamited extent. I would certainly employ it by leading it to the multiry and earl departments whenever they could find work for it, also to excitan contractors under proper supervision. The railway has done for the bullock train here

Yes, if properly organized

Brigid er-General F G Kemp ster, Commanding Coded Bustrists

Reguler General T J Marray, c.p. Modize Brends

Colonel J A Tytler SE, TS, Commanding 4th Goodkhas

Colored D Simules Ass sized Adj tent General British Burma D vision.

Landerent Colonel A. G. T. Hegg Dep to Quarter Master Ge and Replay

Littlesant Colonel H A Lattle Offir ating Bounty Assistant Quar-ter Master General.

Mayor A. V. A Kindoe's Deputy Assuran Quarter Master General.

Liceievet Colorel R Blandell Jel Hussers

Leuterant Colonel R.S Clehnd 9 h Lancors

L entra ant Colonel Lorl R D Kerr, Communicag 11th Husers If under control of an organized transport deputament the available public causage of a station might i mutably be allotted proportionally to the troops for conforment work with advantage to the public serves

With respect to departments, and an unitery is should under to see a see page of the composition of the comp

L'enicrant-Colenct J C Le Q essec 18th Royal Fancers It could be utilized for the entire working of its own regiment.

Lestered Orked © Ical,

In my memorandum attroded to my menor to British Cavelty—B,

Inner about how for freezest points can be employed in time of page

Extra pensor required for a suspecting regiments mught 1 thing employees

of page place that one always short notices by substance the large employees

of page place that one always to be found where dids to build not

to required, the number of pensor that each would have to reply
being consumabily mattered by an officer of the commissional page.

department

Colo el J A Ruidell Issib Regno t ment and a vetermary surgeon

It mught be employed advantageously, I think, in the believe trains, see

L ratement Colonel II Machine got, 1 18th (The Royal fr 18)

Yes transport could be employed by evel and multiny departments and an bulleel train in time of ponce, provided they were periodcally inspected by procised men to notice their condition and fitness for

Letima Colonel A Tomple man Come e dang I Sist Funders. I venture to suggest, with all deference, that if all troops marched as formelly from statem to states united of being conveyed by malway, the whole of the is support steel and plant would be attentiogeous by used for a considerable part of the year, and the troops much benefited, as slighted to in source No. I

I o ber a ri Colonel G P Walker, Co szeri lung 1 12k4 Post

It seems to use that this question could be much more satisfactorily asserted by those who have more practical experience of the present system of working the transport—say, for instance, officers of the commissional department.

Colored J S Hand, Command ang Mis Reg ment

Transport could be employed in time of peace in various ways by both cord and makery, an engogeded on the question, and I time, in ended be let out on inverte local invitations and others, subject to this countral and apparenant of the transport officer of the otherst, just if may such plan was adopted, more officers would be required to red, dramous firm the number successful are the number to (a), despite to

Louis set Colorel C I Knowles, Communicay 6/th Regument

My opinion is, that mildary transport in time of peace might be amployed in 107 public cervace, but should not assist the commissant That department should be independent

L vin mi-Colonel & H Parler, On 1 He-felendo s

It might be complayed by evall and multiry departments, but not by bullock in un It can in every way

Mayor I' Stophen 4th Nationan Il fie de gulo

In peace time I would resonanced that all descriptions of Government authory transport should be utilized by the commerciant department on requestion to the commerciant or to department for more unitary and caref Government work and bulbook turn

Hayee P S Terry 1 Lotts Hung's O in Borderess

duty
That parison of the transport detailed us (a) and (b), regimental
Another transport detailed us (a) and (b), regimental
director and inspection of figures out in the quarter master general suffice

director and inspectors of timesport in the quarter moster general solice.

I would further recommend that the billock from work should be confined to those districts in which the communication with the rulwy

confined to those districts in which the communication with the fullway routes require opening up for the benefit of the public in general

Mayor Hugh P Peutson 12th Pos It certainly could not take the place of the builed train, for the sample seam that when required for very, the transport eaths would have to be taken of the hase at the very time when, at all publishing an efformat bulled train would be most needed. If trapes are allowed to memorare very from cantomounts to a greater extent time is now permitted, the moreant entering rounds to well complete of

permitted, the morecast communicating would be well employed.

At other times donotess employment on some public well, would be found for it. It might take the place of hired early, to forme extent, for the conveyance of unitaring malerum at stations where such work was

remared. At Morar it might be very profitably employed in carrying grass from the rikks to contonments

I red statem has its own peculiar wants, and if public carriage were available, well, for it would always be found

Mager J D Dysta Laune, Sith Regiment

A nucleus only neight be kept up, attached to regiments, for which profitable work surely might be found, in bein of being kept idle as that of the move this column which has come under my notice

Major W. H. J. Chirke, 72nd Highlanders

The trusport could be employed in time of peace by the moveable columns at the different serious by regiments on relief, and most lilely in certain crid and middle where serious by regiments on the conditions at the serious columns at the serious columns of the serious

Colonel C. R. O. Erran Conn. ma d og Royal Art Bery Mecsus D 15 on

renence of Government, as most likely it would be most urgently required for the purpose of formaiding stores, &c., for the army This is just one of my objections to the introduction of an Indian transport department, costly in time of peace and of doubtful utility m wat

Loretenant Colonel I Hetelsens Royal Artillers

I cannot see how advantageously The work of all departments, evel and mulitary, including bullocktiams, mereuses on an outbreak of war, and that would not be an appropriate time to reduce their establishments

Major Bert o Hebart & & M'la tury Secretar to His Grace the Gorcesor of Madres

No doubt work can always be found in the several departments (civil and militing) for Government cattle. Some might be employed by municipalities, \$6, where collectors, sub-collectors, and Lunopean officirds reade, but I would not set trust any animals out of the sight of Lunopean or high Natus, revenue officers. The care of such animals m ght be left to the collectors, &c and some reward authorized to be given unnually to the Native subordinates in mamediate charge, if the naturals me I opt in good condition

There is then is much certaing required in every continuent, werking well, &c. to be provided for the troops. This public works depute-ment might also be allowed the charge of lumbods and camela within dehace limits, beyond which they should not be tall an

Major H. C. Lower Command ing I I at Royal Artiflers

Imploy at an all duties of contonments, coal and military, on daily requisitions Let it out on his by day

Mayor E T Hume Commanding C C Royal Horse Artifery Major W. W. Maido I. Com rending D.A. Popul Horse Artid In many ways, both by departments and as bulleel, tram,

There me many watern which Indian transport might be employed in peace time, but it expect be expected that immunerative work could be found for all it may out animals The evil of employing military transport in bollock train work is, that during a ner there would mobily he a great deal of work to be done by the bullool train and this would be at the very time that the

mulitary transport would have to be withdrawn It might be employed by departments for all work required by them. Some of it might be bired out under certain conditions

Major T W Hindenge Com-templing E 3rd Royal Artiflets

It mught be employed locally by both exal and multary departments, but better not for bullock train purposes

Myor the Manble A Stewart Con 1 and 1 g 1 C Roya, Horse Artiliers

I thus when once organized it could carry be employed in all the way animed. The distinct transport officer would first of all organize his transport with the tird officer, and lasting recentioned the regular amount of transport required for his binguist in the distinct, he would lave at devided, and apportion at to staff, regiments, and departments through the transport officers and subordurates of each, the general settling in conjunction with each officers, when it should be mustered, inspected, and mobilized

Major C D Nume Royal Horse Artificer

 In ordinary garness work and bringing grass for mounted corps
 In corrage of ordinance and other stores from station to station, or between area ils when off hae of railway

(i) In po tal or other bullock-fram work, when tune can be snared for such slow transport

It is essential that the transport corps above roughly sketched should be practised during perce time in their currying work

Muor P FitzG Gallsov, Royal Artilleer

For a considerable portion of the currege required this is impossible, but I think that in case of moveable columns as much of the carringe required as possible should be actually in use in the station on Government work, and not out in the district, often many miles off

Major W H Noble, Royal Artillory

It might be used for ordinary station duties, except for that per tion of the army on a ner fooling, but few Government animals wook be required Ordinary transport and movements could be effected by bired cattle.

It is necessary to keep a supply of elephants and ordnance bullocks for suggestions, as such animals could not be provided on an emergency

Captain G C. Bayly, 13-8th Royal Artillery

I think as much transport should be kept up as the various mulitary I man, we make transport enous or any up as two various making daystransic sam fail work for in time of proce in charge of the commencers, so that the harmy of carriage in time of proce for making purposes may be exceptated. If that, the carriage is about thy in time of proce for making purposes may be exceptated at 1 miles of the conveyance of the form about the mark, and conveyance of stores soing tooks where interrup conveyance us not available. It should not be restricted to particularly conveyance us not available. It should not be restricted to particularly conveyance to the conveyance of the cular stations on the mere chance of being wanted there while there is an actual demand elsewhere

Jacoberent E C Woon ha., No 4 Harris Mondain Battery Pupiab Frontier Force

If regumental transport be kept up in the proportion of half the amount required when on service, as is the system on the Pounds from her, great saving might be secured to Government in making use of and general natural angue as sources, or constrained an uniquing me or the transport for amount relate, and at places it is Rawal Paint for the navoreness of temperature to the limit has bet written. A large period of the General Paint Read magnit also be done by the reguestrial and general transport via great saving to Government und unesceed effection of the temperature great saving to Government und unesceed effection of the temperature great saving to

Colonel O Walkanson, 2nd Bengal Cavalry

I am not prepared to express an opinion on this point beyond a conjectural one, thus tae trusport might be employed such as bullocks in train or agricultural purposes, and I believe the Germans utilize critic m this way

Colonel Hugh Gough Com-mandant 12th Rengal Cavalty.

Undoubtedly in time of peace if might be utilized in such a way under the superintendence of its own officers, who would be responsible for the due inspection and accuracy of the numbers and registers The bullock trum is a department which should be entirely independ-

ent of all other aid either from transport or country curriage Capis n M G Gerard 2nd Central India Horse.

All m excess of permanent multirry requirements should be utilized in any way it can be profitably. This would vary ir different distincts, being regulated by local conditions, such as existence or absence of

radways, &c As a rule at could be worked most profitably and cheaply in the easying trade of grain distincts. For instance, commissary con-trac's for grain, instead of including delivery in outcoments, might be made of for chapter rates in the rillague themselves, and thence

Bugada e General C J Godby, Commanding Punjah Frant er Force

This question can best be answered by the commissional department, who have the experience with the moveable column establish ments It must be remembered that the bullock-fram is rapidly disappearing before the extension of rail onds, and not a vehicle or mainal could have been spared from the bulled. train during the late wir in consequence of the enormous increase of work that wie thiown upon

Legatement-Colonel C La Touche, Commandant Poons Horse

How for it could be employed could be ascertained after the details of its organization and strength had been decided upon. In the monatume it are organizated and security of the framport transport t

horsene for the British mounted establishments, such spees and camelinea as were wouldble cutting it, Assume for into Entities incoming establishments, such syes and camelines as were virtible citting it, and the Government transport conveying it in the herd quarties of registers. I think if Government would make importe they need find their in the contracts made for gives large sums are annually said for cutting and extrain in, which go to swell the profits of the contracts, and cause municipy and for cutting and extrain in, which go to swell the profits of the contracts, and cause municipy said to the contracts, and cause manufacts process and cutts of the transport early, leaving the crueds and parson variable for relatively the profits of the contract matching progress. Enganting the Government has exact, I such to make one nor remark.

They are now sold every year all small sums of many to contractors with ordain buy grass to the collection exacting corns for an exactions made in the Government has executably to our for in the share

imported by transport train

Here yer may some every year as small same or maney in conservation we restail too greek to the includer excellent executive corps of an encounterpool of the forecast of the same of compensation for decrees of forego. If a transport copy was I of an accessive for the searches Governments would not not be prompt decree therefore would have the groups of decree themselves would have the gross of the foregoing compensation of the transport extends ment, and, ofter providing for all its own would, would dispose of the sale of the surplus,—thus saving a very large sam of money

les, to a moderate extent, having care always that it is only sufficient Letterant-Celorel J H P les, to a moderate extent, having one with a continuation of the work to Leep men and anumals in hairing and not to exhaust their strength

Major A P Palmer, 9th Ben gal Cavalry

The enrolled carrage (side question 13) could be employed to the extent that movemble column currings is used at present, and the regis estent three movement common energy is used as present, that the regis-tered baggings ominals of India (take question 19) would in ordinary times be employed in their usual person vaccions. Bullocks employed on ballock, trum service could not be counted on as available for other work in time of war

Colonel J Boran Command ang 27th Puntah Native Infantry Colonel H S Obbard Com mandant alst Bengol Infantry I can see no objection to its being so employed

The transport at is necessary to I eep up in time of peace is mostly occupied with the moren of troops in rehel, carrige of Government stores, station work of various kinds cholers camps, &c. It would not pay to keep it up for use by departments, civil or military

Colonel E Dandroige, Com manding 40th Nalive Infantry

Fide answer 7

Colonel G W Fraser, 39th Native Infanter

I see no tenson why it should not be employed in any or all of the departments named. It should be, as far as possible, so utilized as to be self supporting, but it should not be employed beyond such distances from where it is kept up as to present its ready re-collection wherever it may be required

Lumberant Colonel H Worsley, Communing 7th Katiro In futer

Regimental transport can certainly be employed in time of peace, provided it be of such a priture is to provoke demand. I should suggest the employment of pack points for ort, as points could command such a demand. The Artise, would

cover communication a memoria where a memoria was a second communication to the policy for the limited second for private item, and them. The named of some parties of the mattered mentily and all preventions to the to provide of the provides of the provi pones on smith turns Devices unless to be only "riginated ways" separate, set in originating parposes, such as entrope of gundle' bobbling, conservancy cuts Auchter uny of amploying entrage in proce as by measuring on manageabless and enthomorets employing only Government car Trigo. These annuals when coparred by the indiracy can desay so readily replaced from local recomment.

Institutes at Obtaind R. J.
Wells. Commandant 17th 4 for experiment might be toted of employing transport for the latenty are latenty.

The latenty are latenty as the command of the state of the state of the gradient would be gird also to have the transport bullecks for their gradient. wells, &c , prying for the feed of the bullocks and driver

Insutement-Colonil R G Regers 20th Paujab Natine In Ionir

On the north west frontier and trans-Hebum at never could be The strum on departments (especially the bulled train) is severest during war—the very time when it (the trusport) would have to be withdrawn for mulitary purposes

Lieutenant Colonel F B Nor-man Commanding 2 ith Panjab Native I fautry

It could only be used to a limited extent—chiefly I should say by the public works department—I do not think that it could be used to any extent for such work as a bullock-true—In the Punjab, for instance,

reling to Rawil Pinds all twos less legge portions of the traps to questions, and when the relings to Links, the contract of and when the relings to Links, Unrefined to Ribbase, Wancardolis foul left Raw I delic of Kirres, and Rewil Rawil for Behavior. The greater portion of the temport in the Panjah would always, be entirely and That to reduction his general private we can import in the range device they be of the media, and thus could not convened by every many of the prolages was by billock-than The bubble-than is a most rasid to agent for vasting in the guest's amply of in army in time of way, and the substitute or it of carriers, which would be requested for agmental and departmental transport to time of way, reads, I think, however, this is a made all Governments stones should, as fur is productible, be curried by I think, however, this is as also, all Governments stones should, as fur is productible, be curried by

the transport animals

Lacutemani-Colonel H St. G-Tucker 41st Nat ve Infantry, late Superintendent Truss ort Tenn 4let Nativo Infantry

In time of peace it would be very unnecessary to keep up any great amount of coverage as everything necessary could be corried by the rul-way. At such stations where there is no rulway, such as in Bundel-cand or in some parts of the Panjab, the carriage could be 1 opt up and came of an some parts or the ranges, the carriage count of the high and used by any department requiring it, an exchange a proper requisition for the carriage, which should be "enotioned by the officer commanding the station, unless there was any highlyhood of the carriage being required for mulitary purposes

Major Sir B P Brounkead, 40th Astroc Infantry

No, certainly not As I have said above, I would have no estabhalament in time of peace. It would be a needless expense

More A O W Goold and, Commonly glood Process
the vacualty of arresults and rathery formum. In the cold vention, it should be employed whiley in the nebel. All music carrage should be unite in India, or, if to contrad for them as charger they proceed when it is not to the contrad for them as charger they proceed by should be general, service

ammals, and for the time being Government property I don't think they could be norled in bullock amming, with or the cane using convenience propers. I now because the country work in moneya-turns, as there is no need for preference or keeping up eart bulleds, a near though all over lindry, but in stations like Univally, Panis, Barcelly, Lakow, all stores to the out-stylines in the hills should be conveyed by convoys of Government critis, under charge of officers defined from regiments—a system which would give practice to offices. The group of hall stations near Smile could profitably employ a large number of carnels and makes in the convoying of states now carned by a avail department. Mace P. P. Soventh. 4th. — It that I relates become in the control of the contr

Georki ag.

Colonel II Busragon, Com

I it ink Indian transport is time of peace could be utilized to a certain extent for the bullock-frain both by departments evril and unlitary Yes, exitainly, as is done with camels and mules in this force, to the

manding 4th Silbs

Licentenant Colonel J J Bos well Commanding 2nd Silbs

benefit of Government pecuniarily and of those kept in regular employment

It ought containly to be complayed by departments, ordinance, com-

Lentenant Colonel F T Bombredge, 4th Sikhs It ought certainly to be employed by departments, ordinace, commissionet, &c., also by private puties, so long as it is not taken beyond a lumited distance from head-quarters

Colonel W. A. Cab, Command and 25th Madrus Native Infantry I should say in various ways, and predictably. Contaminate on el-ways employ a contactly of numeric,—guards, commands, continued to the feeding in stores, department public works, Se, it do not be lared on by the even for testing purposes, peaces and make could be used on the mail cart lares, various, erris, and ballocal could be utulized on may reside as a bullocal-farm, where there is much traffic and trade, and with public large and the say which is a bullocal-farm, where there is much traffic and trade, and with public large and the say that the same that the same transport could be used to any extent profitably in time of peace. If the number were let out for his, they would profit by be all-used. Butturys hype practice does not youth.

Colonel S Ildwardes, Com manding 2nd Bombay Native Infantry out of gon, probably to the detruncat of the Government, for if the bullock term was necessity an peace, it would probably also be required if a war bride cut.

He is compact term were properly or maked, these would be no necessify for the commerce and were properly or maked, these would be no necessify for the commerce and the contract of the term of the terms of these for the commerce and the terms of the terms of the terms of the but for what distances by the transport term. All the stores for a division or distance when the terms of the term

bullock-trams, and even if they were not, to suddenly remove the bullocktran to go on service would throw the traffic of the country completely

Colonel W Bannerman 4th Bombay Rules

distributed by the trusport train

To a certum extent by the commissanat department and in the
movement of troops on relief

Colonel II H James Com mending 10th Bombay Notice Infantry

I should think it might be employed in all these ways, or even let cut to the public, under certain restrictions, at reasonable rates Good and cheap carriage is pretty sure to find employment

Colonel J. Purinother Commanding 22nd Bunday Native Inflating

It can be employed in the amount rehals, convoyance of all infiltary and departmental stones and transport trum, for matures, between falls and Vingolius, the past of calminations, where it would be very useful and coarement. In the event of several regiments being trunch to process and statemed when the transport was beenfully simple of the carpenses of the carpenses of the carpenses about the process might be usefully employed in many ways for the improvement of the pinco, and the closure carriage utilized.

Bullaryay curry curything. What demand on these he in time of paces for histoin hampout? If that to other departments, it is neglected,

Colonal J I Willes, Com missary General Bengal.

pases for Indian throughout? If lead to othe department, it is neglected, and found probably more accessive than that of carriage. The following terms of the control of the control department, it could only be used at great distribuces, and would not be enriched the control only be used at great distribuces, and would not be enriched to the control of the control

Colonel R A Moure, Acting Commissiony General Madras If trans of bullock-carts were lept up at the principal stations, they would do all the carrying work of the contonment

Locatement-Colonel M W Willowgl by Act og Commessary General Bombay The temporal can be employed in time of price to a constantible criteria skill diskness on local transport duries, practicularly if there is a proposition of whoched currings and should have winterest may be now yard on eart fine, for, which storage might be trient as a stoff against any increased cost of fixed establishment. Bulled a from the transport might be used by the enhances and the nearest and factors, and for the transport of the department from ameniat to railway statues. It is doubtful whether it would answer to fam did the transport to the curril department, or to employ it on such work, as bellock-term, unless for purely military purposes. The organization in the former one would some determine, and me the latter there would be a very considerable work and from 6 animals.

Colonel T H Sabley Deputy Commissions General, Brugal The transport I propose, consisting of males and camels, could only be employed in effecting relatin, carriage of grun, &c, from elsep matches, or used as unaritry bulled, or transport train for places beyond which cirks camele travel Colonel M. J. Brander Offic of ing Depaty Commissary-General, Calculla As at pereal, more large to early out the rel of of troop. As no transport is 1 riph up had for the or of the troops, to must emagened, it made be a complete meruphatists to lead with the rist identification and it recall not be it has the, for the above and the following reason, to had transport for builder transport for builder transport for builder transport for builder transport for builder transport for builder transport for which the reason with the reason of the builder transport for walls be required of it.

Colonel J Keer Deputy Commissary General Lower Circle, Report See unswer to question No $\, {
m 1} \,$

Colonel G S Mashean Deputy Commissivy General late in Commissar at charge of the Khyber and Kuram Lorses

Subject to the restrictions by the multi-ry suffercities on the use of metable colours entiring, the commissionable curvage has always been doing the work of other algorithments. It has not do no billed true word but there as no reason why it should not where it can be properly supervised.

Colonel R. Q. Manutanog Depoty Assista it Committing Gratial, Kampies. The transport is now in time of price fully employed. Thus the whole of the munch here brought in the forage for the crystry and artitlery whilst the attendants out as much as they could. The nucles and beliefes bring in these slothing &c, from Nagone duly all

and bulkets brong in starce clothing. So, from Nagaron duly all through the year, including the heyes on Hyo final hispan. Of the letwers three modes and all the transition of the production between the modes and all the transition to the complex models, the all of which could have too in year of the complex models, the all of which could have too in year of a largest and higher task way years toll one, but which now costs only three names as of them for employing them.

The keeping up of hined cittle for detachments of theops in these and fours in a unders expense as we can get that number at any time without prying a contractor for keeping them up all the year round

Incutescent-Colonel J V Hent, Deputy Ass thank Communicary General Bengal The transport at present kept up to time of peace is exclusively for more the columns and to provide for order emergencies, and the necessity for keeping it at hand procludes its being utilized.

If it is in orderny-know to keep up additional currege or a new rot free of war it could be united to seem eather for import an export of grum and stores and for departmental work. I do not that it could well be used for bulled, tame purposes, with adoptional tagents present thrown upon at in war time, and requires to be lept up to the full strength in time of peeces.

Major M A Rowlandson Examan r of Communication counts, Bombay I behave the present establishment is fully employed during peace on dath as halonging to garmaons, such as airing well men, onlying stones and begage for detailments, and also on private work, put for by the employers of the animals.

Mosor W Loci hards, Deputy Assestant Community General, Umballa. The transport new as thele is made use of for statum duties and in the nobel serious its generally employed by the tonog. If this transport we considerably ascerned, it appears to me very doubtful whether consistent explainment could be found for if, and no expountations might then find to employ the considerable exposes brang to be returned on this second. I believe necessary that gent demonstration not could be found the considerable exposure that gent demonstration on the proof could deprive ments and bullest truns a sould be found to employ cuttle habits to be uniformed as not moment.

Capin n T F Hobday Depart Ass stant Commissary General Umballa In the annual movement of troops this as a rule, occupies all the transport now lept up. Whenever it can be used for any Government purpose at its always midzed.

J H B Hallen, Diq General Superintendent of Horse Breeding Operations The medies of a trasport from as suggested above modif be employed in moving intege during 7 or 8 months of the year, and would be medid in allowing the integer is been prel leading, subsiding saddledrift, &c., &c., d rang the cast of the tear. The mid-said cast might is do be of service in endomicals in dis-

The miles and early might also be of service in conforments in disfinbuting rations and forege, he, and bringing commissional stores from the newest radiusy stations.

12 Will you be so good as to estimate even loughly the cost of any proposal you may be pleased to make regarding a reorganization of the Indian transport system?

Lucatennul Co. etc.] C. T. Chrun berbins, c. s. t., into Communitating Guidh D via co. I cannot renture to suggest

The subject of questions 7 and 8 is very complex, and until the
framework be disborated, there is no data for cost

Hajor Gral. A. W. Mocoster C.n.
Combig. Hylemical Sator. Terre

File reply to question he 7.

Bright er General	F G Kenn
ster Commanding	Ceded Dis

Proposed peace establishment 25 per cent of war strength, as follows, 115-

us, ur	
us, 117— 1 Neid officer at Rs 500 2 Subritions at Rs 400 × 2 3 Non commusioned officers po 100 th Rs 20 × 30 1 amort per 100 th Rs 25 × 15 1 Direct per 5 minutels for 250 excepts at Rs 7 × 33 1 Direct per 5 minutels for 250 excepts at Rs 7 × 331 Keep of 250 commods at Rs 7 Keep of 100 miles at Rs 7 Office establishment	Rs 800 800 600 875 581 1 750 7,000
	50

Total

14 287

Leuterupt-Colonel A G T Hegg Pepuir Quarter Musicr General Bunhay

The cost of the scheme proposed for frameword of frinsport in time of peace cannot be studed with accuracy sufficient to make the estimate of any value mutth the details are word out, but the cost of my proposal would not exceed that of the present field column, which it would opher the only new clement introduced henge that of one offices and a few men of Notice infrustry with each depth, which is sight reduction in the number of minutals now keys to no off the whole

Majer A. A. A. Kinloth Deputy Ass stant Quarter Muster Commal

I have not the smallest ides what the plan I propose would cost, and can only record my opin on that from what I have seen almost my system that tensared efficiency would be consented compared with the present "we as stem," which causes such compared with the present "we as stem," which causes such compared with the present the contract of the cont

Legatement Colonel I ord R. D Kerr, Communication 10th Hussars

I believe that it one time Government I opt transport for the army of Bong-lim the North West as pirt of the standing military establishment restones to the reports of that pends will give reliable information on this point, because in mind the present increase in value of grain, folder, &c. &c.

Major Hogh P Pennon 12th Poot. The is a question which would take much time for consideration and enquiry, and to work out in detail it is time I have not it command

there would be the difference between the state of the control of

instructed in the care and imagement of hamport amounts, a start of officers and valoriumtes tained to be work would be searched for methant scripes with the transport of all departments, and for that compared under the heading (i), general And hadry, the data for immediate expansion would be collected, and early for reference and action on the same of the order for modulation.

It must not be forgotten, too, that by the excellent of the new department the real of the commissionary would be greatly lightened, and it is chosen of this hard of anyonly to free to give their whole attribute to their more legiturate and sufficiently onerous duties.

The necessity for some such messure was untuilly admitted by the linsty formation of a transport department under the commissariat at the heginning of the Afglian campaign

Capta n H M L H sich con 1 14th (Pra co of Wales Own) Regressent A regiment 1 000 strong would require about 215 of the 5 cmt curts, which would cost about Rs 130 apace equal to Rs 25,000 or thereshouts, plus harmers for possess.

Let not recorded to make any proposed to add without the percentage.

Celenal C R O Dvans Commanding R. A Moorat Day ston-

 ${\bf I}$ am not prepried to make any proposal to add without due necessity being shown to the bindens of the State

Colonel Rugi Gongl , Command ant 12th Bengal Country These should be no great extra experse beyond that now caused by moverable columns. By oud the pry of a durenter of transport for an arm cerps or proxime, and the few subsodium to discrebelonging to the department, these would be no extra-expense by oul distrainment, there would be no extra-expense by our distrainment. In the pryment of chool-dress not other subsodium to by the commencent

for moverble columns

Probably the stuff and establishment of a director and superintendents per army-comps would be about Rs 5,000 a month

Cupie n M G Gerard 2nd Contral India Horse

Very rough estimates of a division on peace and war footing given below but without following data it is impossible to estimate how many divisions are required—

(1) Number of commussurat eatile new employed for ordinary peace requirements, including reliefs

(a) Wi other any system of regumental transport is to be adopted

(b) Wint style of camp equipage and followers will be adopted, and whither lahars will le diminished by the u.e of escalete

(1069)

Whether compressed processors wall be utilized (4)

1	Estimate of division transport fram on peace looting —	Per mensem Rs
	1 Commandant with pay of rink	400
	9 War officers	2a0
	2 Anlbunds and artificers	100
	2a0 Stees	1,500
	300 mules 2 3 eters 200 tats 1 *cer at 20 cers = 1 Re	1,400
	Bounties from Re 1 to 4 mnas for 750 an mils	600
	Repairs carts, showing &c	300
	Clothing	100
		4 300

The value of the present commercianal cattle should go for towards purchasing more suitable

animals but I have no reirible information as to the necessary cost of carts

A certain portion of this monthly expenditure would be recovered directly or indirectly by its employment in 1 sace for transport of stores &c out from an seen factorer ...

Ament in Jesse for rismsbore or singles, etc.	
Estamate of division transport trans on war feeting -	_
	R_8
1. Commandant staff	400
4 Subalte a stuff	600
36 War officers	1 000
50 5th class	500
750 Syccu	4 000
36 Nulbunds ertificers &c	360 6,000
4 000 Seers grain per diem from 1 to 3 seers cach. At 20 seers ≈ 1 rupes 800 Mules and ponies hard at Rs. 4 to Rs. 8 per mensem, including	
risks &cc	5 000
Reprir of earls, &c , wear-and tear	1,000
Sandries	840
Total	20 000
If across frontier, syces' rat one extra	2 200
he following expenditure would also be required in putting division on war fo	oting -
	Re
500 Mules, &e purchased	30,000
500 Chattles	2 000
Clothing for syees, &c	8 500
Value of carts burness, and equipments for store say	50,000
take or cres manes and equipments for some ear	00,000
	S5 000
Six months' expenditive, at Rs 20 000 as above	1,20,000
	2 00 000
Or reducing probably value of war fook g material remaining	50,000
and transfer and t	- 3,000
Total cost for six months	1,00 000

I e coast Colorel C La Touche Commandant I com Her c.

The cost of the establed ment proposed by me for complete arrange ments for regime tal in I departme tal transport for ten thou and men neurical or regime the was degrame to the temporal for the from and from would be no get toped mg to the he of supers a per, but against the as before stated was at the to be put fire I beton of the entire expenses of the commissions are entrage of the cristing system. Then I

believe if the establishments are taken into considers on we e ormous and what Government would save by mi! up the frameport is the time of hence for the enting and earling in of the grees for the British mounted branches and such other meres as of a sambler in our as a beogness experi ence might prove feasillie

L'enforani C'lonel J H P Mal husto Commanda , Sed Sud

It must be remembered that I have only suggested the framework of true port for ress dry regiment. The ro go est mate would be-18 mules for ever use of some space unmountion of, and treasure to keep up with, regenent at Rs 80 each

Test outlay	Rs 1 440
6 Mulcicers et Rs 7 18. Regumental camelmen at Rs 7 4 Mucordums at Rs 15 1 Netwer ensestant at Rs 30 1 Regumental European officer with staff pay at Rs 100	48 84 60 30 100
Monthly pry Feeding 18 mules at Rs 17 each	316 216
Monthly expenditure ,, allowance	532 20
Total	552

Motor A P Polmer 90s Beneral

The staff and establishment of a director and superintendents would be Rs 5 000 per mensem. I do not think that the present expend ture on moveable columns would be exceeded by the rea grantation proposed

Colouel H S Obbard Command ant that Nat e Infanter

Roughly, it would be that of the commissariat curriage department as it now stands Staff salary for superintendents might be provided for by reduction

of staff allowance of the higher officers of the comm serial depart-Fide auswei No 7

Colonel II. Dat dridge Command ing 40th Native Infantry L outcoant-Colonel F B forman Communding 24th Punjab

Nature Infantry

I have only made proposals as to the supervision of the transport

system (a) The officer charged with the supermitendence of the transport of a division of the army to secure his dej a tmental pay

(b) The subalterns under h m Rs 100 staff pay in addition to pay of sank and half staff pay of any permanent staff ap pointment they may hold

Co Duropean segments the pay of segments in the commissional departments with pony allowance.

(d) Native non commissioned officers Rs 5 and 3 as staff pay

Laratement Colonel H. St G Tucker 41st Nat: a Infective Ista Super absole t, Transport Trans 41st Nat: a Infective

In peace, one director on Rs 800 stuff pay with the stuff corps you have a consequent to the stuff corps and the stuff corps and the stuff corps pay of his rank, and Rs 150 a month offer allowance Four supernitedness on Rs 150 a month stuff pay with the stuff corps pay of their rank and Rs 150 a month of the allowance. Four assistant superintendents on Rs 150 a month staff lay with the staff corps pay of their rank

In tame of war there would be more assistant superintendents on the sime pay and European and Native non commissioned officers and men who should get—non commissioned officers Rs 30 a month; in addition to then pay and free rations men Rs 12 a month extra pry and free rations of compensation in their thereof. The number of assistant superintendents, non commissioned officers and men cannot be deter mu ed, or any positive rules land down about them, till it is known what sort of war it is to be

Mayor Sir B P Brombend, 40th Nat ve Infantry

I do not advocate the maintenance of any establishment in time of peace On the contrary I would do away with the ex stang move able columns. It is obvious that an enormous saving would be annually effected thereby. In time of war whatever the bill at must be pud But a transport source constituted, organized, worked and pud on the system detailed by me in the accompanying memorandum would Ibeheve, be thoroughly economical and thoroughly off cont

Major A. C W Crockstank Commandus, 32nd P e cers

I propose no new system as I think that true economy lies in the utilization of our present agencies and recourses (it possible sm pl lying them) and not in the creation of others

I propose to utilize the commissairit framework and maintain under its charge a certain amount of local transport to do local multary v ork and be a a lable at any time

The expense has in the provision of the carriage and to arrive at the proportion we can afford to maintain I would take-

(1) the cost of all carriage locally hard

- (i) the cost of the moverble column carrage (iii) the cost of carrage kept up by front er regiments
- (iv) the cost of the present Government carriage
- the cost of carriage hard for rehef pu poses the cost of carriage of military stores which could be curred by Government cattle

Add all together, and then manelan enropped the extent of what 50 per cent of that sum to be distributed to distince, relating the other of percent for contingences and a possible carria, The carrings thus manelaned would make a very respectable modeus for a transport department in time of ver

Major F T Rowcroft 4th Goarkhan

(th. Whit reference to questions 12 to 12, on the subject of tran part, I have not had entherent experience in Judem transport to pronounce as decided opinion. In I kam of op none that us are time each regiment-to-bild have its transport bunded over to it be hit. The regiment to be a spon able for it One officer in each regiment, should be specially lodd of the lock after the

transport. Under this narragement should be greatly liked if it is look, there the bransport is the companies and the specially liked if it is look, there the third is not provided by the contraction of

Lacuterant Coloud T J Bornell, Commanding 2 d Chin.

The following is a very crude estimate. The saving that would be made by Government in the event of war with trunch officers men, and establishments would be very great, and compensate for the heavy outlay—

	Re 800 250 300 223 400 261 50	For mon em Re 1,424 5 000 500	
	/	2,580	
	And for 90 regiments		51,780
	Grand total per measum		56,704

Government would thus have ready, available for numediate service, 4,000 camels and 2,000 mules, with truned officers and establishments

I have not included elothing of establishments, as the amount's realized from private individuals in part would imply cover this item

Colonel W L Gib Communicate 2-th Madres Native It fouts This is impossible. It would trie me weeks to obtain necessary data. In fact, the time green for the preparation of these papers, which much such thought and consideration is much to install A by suggestion in the magnature of the Indean temporal system must suggest great crystics. The rich that is can be done more economically in J. un afrend, a false one.

Colonel S. Edwardes Commanding 2nd Benebry Nativo Infantry

The time at my dispered being very limited, I am unable to render seen a rough estimate of the cortool the proposal here ret forth. I have given only the general lines of a ptom for the formitsion of transport time and one which, I thind, will be as consumed as efficiency will permit.

Colonel T I Willes Communicary General, Bengul, I cunnot frame my estimate. If decided on a framework bring formed, a committee of practical and experienced officers could alone work out in estimate

Colonel R & Moore Acting Comm corp General Malinas

A trum of bullook-carts of 100 carts would cost Rs 1,891 per moneum

Lenterner Colonel M W Wiles the Act of Commissing General Boules It will be observed that, with the exception of advocating the exceptor ment of speral officers to supervise the transport, and who should be allowed staff pay as follows—

senior officers in charge of a mass at large centres. Its 300 staff may be measure, required a officer in charge of transport attach d to region in the control of the cont

and the end home of content of the presence of the presence of the presence of the content of the presence of the content of the presence of the content of the presence of th

elething the establishments and the proposal that some draught bullocks should be kept up as part of the transport the suggestions made by me will not involve any additional cost to Government and I regret that the time at my disposal and the want of data on which to calculate will not allow of my making even a rough estimate of these extra expenses

Colonel T H Shey Deputy Comm stary General Bengal

I estimate the cost of maintaining a transport train of 10 000 animals at an average of Rs 8 per animal per measure or with pay of officer about on lakk per month -a sun which I bele e s less than what we now pay for hired transport and il e two mule tra na

Colonel M. J. Bronder Officest ng Deputy Comm scary General Calcuita

My proposal for the formation of a skeleton transport corps avolves no expend ture at all in time of peace except the salary of the chief or head of w- y Rs 600 the lowere equal to the command of a regr ment-and the staff allowance of office s and men when employed at camps of exercise For time of war the fallo vs -

The scale of strif pay proposed as -Rs S sperintendent 800 P ymaste and accountant 200 Ass stant à ite 150 Non commiss oned officer 80 Private 15 Vete mary surgeon-pay of his rank say 300 Purner Natio 80 I submit the following rough estimate of say for 10 000 camels 1 000 mules 1 000 pack bullocks 500 carts -Ca els 1 supe intendent for every 5 000 camels at Rs 300 600 I paymaster for every 5 000 camels at Rs 300 600 1 assistant super intendent for every 1 000 at Rs 150 1 500 I sub assistant up dt (non commessioned officer) for every 500 at Rs 30 600 1 Native (cumel) duffidar per 50 cam ls 1 pr vais transport train per 100 at Rs 15 1 500 Hared temperarily 500 1 vote mary surgeon for every 5 000 camels at Rs 300 600 1 Native veterioury surgeon or saloots s for every 1 000 comels at Rs 30 150 5 850 Total Mules 100 1 ass stant supermitendent 800 l prymaster 60 1 sub ass stant a permutendent (non comm as anod officer) for 500 at Rs 30 1 1 wate transport train per 100 multi sat Rs 15

1 1 wate transport train per 100 multi sat Rs 15

Hured tempo vally { 1 fa 1 et for every 200 mi les at Rs 15 150 800 Hued tempo waly 60 I salootne for every 200 mules at Rs 30 1 095 Total Pack-b Hocks 1 145 As for mules Carls 150 l resistant superintendent 1 sub ass stant superintendent for every 100 carts at Rs 30 150 I private transport train for every of earts at Rs 15 100 Total 4.0

Paymasters and vete nary surgeons would be located as required. It will be seen that I have substituted in vites of the t import them in for generates of camels and mudes relates are in all filled better discipline. As regards clerks, these should be Daropera non commiss and discess and parates of the transport dept insent and ritached to the various affects as found recessivy. A large still of these men would be required in a campaign to prepare rolls acturns pay and catertainment cert feates family rem t auce rolls &c

Grand total of cost of transport trun establ shment for the above

Colonel J I ee D puty Commusary Genetal Letwer Caree, Pengal

I regret the time given me is so short and my dities as deputy commissing general and offeer in charge of the comm sany general's

8 540

communary general and offers in charge of the comm sary generals of ear and as not present in charge of the tran pres decay cast tree of case so came a the first manable to do more than and a surgest on in the rough fast with the seast from a case dwarf out of them 0 ± they have these ments. They are very consoured they are adapted to the contrary and the expense of and ag pure but leap man reserved over in times of parts or work. The officers be by communarate officers will lead by a clientford even in times of parts in our man are in work. I thought that the is I brower only a guesst that cuttered will glady false are out a rupes or two per bullock per monature it cliented to employ them in the station and dutrict, in the station and district.

Colonel G S Machean Deputy Commissary General late in Com in sear at charge of the Layber and

I have end a wagon would cost built what an elephant does, and do much more worl I meant about Rs 37 a month, against camels at 5 maunds each, 4 at Rs 8 cuch = Rs 33, but camels will not now be so easily precurible. I would not do away with elephants splended earrage and at times they can do work when no other currage can, and they could only be got rid of at an enormous loss, but they are a luxury in the way of transport

L'enternat Colonel J V Hunt, Deputy Ass stant Commissors General Bengal.

Major W Luckbardt, Deputy assistant Commissary Gentral, Accretant

See replies to questions 7 and 8

The system I have sketched in my there replies would create very little additional expense in perce time since expenditure would be restricted to the pay of the permanent transport officers, and to expenses mentred by officers and men in joining the training school and returning to their regiments. A rough

estimate of the cost of the department in war time, hand on a certain strength of a field force is subjounce -Scale of currage and establishment required for a field force, consisting of the troops below

enumerated -

One British cavalry regiment Tv o Native dilto

Two British infantry regiments ditto

Two mountain tran batteries Four companies suppers and maners

Four Nature CAVALRY BRIGADE, consisting of one British cavalry regiment and two Native cavalry regiments -Transport establishment per regiment ONE BRITISH CAVALET PERIHENT One regimental officer as as istant trans-Requirements Carach port officer at Rs 109 per mensem. One pay havelden at Rs 10 per mensem Camp equipage 90 One sown as writer at Rs 5 per menson Baggage Food for fourteen days for Europeans 62 One non commissioned officer as chondry 40 nt Rs 10 per measem Native (followers 800) " Two soware as do at Rs 5 per mensem 65 Grain for horses for fourteen days 154 Ammuniten 22 Cooking utensils Cost for two regiments Commissariat bakery, butchery, &c. 20 459 23 Spare at 5 per cent 431 1st INFANTRY BRIGADE One Furopean regiment infantly Two Native regiments " Transport establishme if One battery royal artillery Ta a companies sappers and nuners B One mountain britiery One regimental officer in charge of regi-One field hospital mental trunsport as assistant trunsport ONE EUROPIAN PARANTER REGIMENT officer at Rs 100 per mensem 100 Requirements

16

26

10

155

596

One European non commissioned officer as pay sergeant at Rs to per mensem One private as writer at Rs 10 per menseur Tv o Naine non commissioned officers and two sepoys as chowdries in charge of 100 eamels-Non commissioned officers at Rs 19 Sepoys at Rs 5 ..

> TWO NATIVE CAVALET REGIMENTS Requirements

Comela Camp equipage . Ambiunition 44 Food for fourteen days 77 Food for followers for fourteen days at 500 followers per regiment Grun for horses for fourteen days 137 395 Spare at a per cent 27

Two batteres royal artiller

Re 100 10 10 180

270 Nort - The senior officer of the three assistant transport officers to be the season transport officer of the brigade

Camele Camp equipage 140 Baggage 115 Ammunition 105 Cooking utensils ۶ Latrenching tools d Lourisen days' food for Europeans 79 Native (250 followers) Ditto 96 Commissariat bakery and butchery, &c , 20 488

Spare at 5 per cent . 23 617 Transport establishment

 R_{5} One regimental officer as resistant transport officer at Rs 100 per mensem 100 15

21 One European non commissioned officer as pro sergeant at Rs 15 per mensem One pro ste as writer at Rs 10 per menom Two Native new-commissioned officers as 10 chandries at Rs 10 per moneen 20 Three sepays at Re 5 per mensein

15 160

Appendix IV]	(]	1074)	
Two Native infantes regiment	\$	Our words and	
Req eme ts		ONE PUELD HOSP TALL Rej on e ts	
_	Саш в		Cam s.
Cump equipage	50 C1		e
Bagg ge Amm n ton	160	Ordy On Yor Lollowers atta hed	7.00
Ent enel g tools	2	Grand tot I for one batte y of rot	1
Fourteen days I to us one for sepoys followers	120 t	art llery two companes of suppes a miners one mountum battery and fiel	d a
850 per reg ment	60	lesp tal	382
		Tra port establ / nes t	
Spare at 5 per cent	461	One t ansport officer at Rs 150	$\frac{R_{0}}{150}$
Opare as a fair cone	-	 One European non comm ss oned officer a 	100
	490	pry sergeant at Rs 15	15
		 One private as write at Rs 10 Two Nat ve non-commissioned officers of 	10
Ta spo testableh ent per reg e		chovd es at Rs 10 each	20
One reg mental officer as a s stant trans	Rs	Two sepoys as diffe at Rs 5 each	10
port offeer at Rs 100 pe measure	100		200
One pay b lda t Rs 10 per mensem One sepoy as after at 5 per mensem	10		-
One Nat e non comm aned officer	78		
cho dry t 10 per me sem. Two sepojs s do nt R. s pe men em	10 10		
	145	Cost of transport establ shment	205
Cost for two regiments	290	Can n sear at acco pany ng ile force a d fo rice days reserve of prove one	Cumels
One dattern no al artilledi		For provisions	1 156
Req e e ts		Comp equip ge &c for establ shment	ა0
•	Camels	Spare at a per cent	60
Camp equ page	37 21		1 208
Baograge Cooking tennis	21	Tra sport establed ent	
Fourteen days pro some fo Europeans	14		Bs.
Nataves grun for horses	18 45	Two transport officers at Rs 150 Two pay sergeents at Rs 1	800 90
6		Two vriters at Rs 10 coch Six N t e non coromiss oned office s as	
Spare at 5 per cent	137	Six N t e non commissioned office s as chowdr es at Rs 10 cach	F0
apart at a partie		Seven sepoy as d tto at Rs 5 each	35
	114		445
m	. —		445
Two companies supplies and minima Regions e le	S	Head q arter staff of transport	
možene o ne	Cam le	One dree or of t anspert at Rs 400 (per	R_{5}
Camp equipage	18	manently appointed officer)	400
Baggage	10 12	One py se gent at Rs lo Two vaters at Rs 10	15 20
Ammun t on Fourteen days' to over one		TWO ALTONIS ME IN TO	
Fourteen days' provisions for followers (60)	10		435
	71		Cam
Spare at s per cent	4	Bas s of line of operat one collecting suffi	
	75	e ent transpo t and to send on ly convoys a further supply of one me the provi	
		SIO S SUY	ა 000
Ove mountain battern		Tidall all and	
Regr e nents		Zetabl sk ent	Ra
-	Camele	One d rector of transport (permanently	400
C mp eq page	6	ppo ted officer) at R 400 pc mensem Divet inspot officers t Rs 1 0	7 0
B ggrge Tou ie n l s provisons	10	I' e E nope a non comm as oned offic 15 as	70
D tio for fo lowers (120)	14 26	Page a non comm as oned one is as pays rge ats a Rs 10 Top resear teart Rs 10	50
Gran for lay miles for fourteen days		Twenty five & t e non comm some loff	2 0
0	60 3	ce s t Rs 10 e al Twenty five sepoys at Rs 5	100
Spare at 5 per cent			1 Ca0
	63		A + 00

Cost of trump out establishment for above number RESERVE carrela Transport requirements Can els Crealer bugade Cavalry brigade

425 1.077 055 Lust minutry brigide 1,383 Second 655 Second "
Communication reserve and impropri staff 1 383 890 5.600 Commissarint reserve line of operations Line of operations 1,600 8.813 1 475

At say Rs 10 here per camel per month Rs 1,00,870

Capta n T P Habday Departe Ass stant Commensary General Astrologies

First infantry brigade

Second

The mercase of cost would entirely depend on the number of number to be kept up By consulting the cost of the mover le column now kept up, an approximate scale of cost for any required numbers could be fixed upon

J H B Hallen F q Cemeral Super to dest of Horse Breed g Operations

I regret I have not the means of making out such an estimate but I feel assured that with cueful management and supervision the nucleus of a trusport true on the Ines above indicated would prove most economical in the long run, and would be a guarantee for the easy development of any renount of any personnel required for army transport work in time of nor

Moreover, the money waved by not requiring lured transport on reliefs &e, north in a great messue, containing mind transport on reliefs &e, north in a great messue, contained mind the invisions of madeus, also, I wo this log persusses to said that the invisions often contained on agreeditenates and others in pressure them corts and bullocks during persons of endemy reliefs would no longer exist

13 It is very desmable that regumental officers all over India should qualify for employment in the transport service in time of war, can you suggest how they should be taught their duties 2

Londonant General C T Charm berla v C.S.L. lato Communed og Gudh Denson I have answered this question in my reply to question 8 A book should be use then upon trumpout duties, and every officer

should be required to keep a copy

When the regiment is inspected, the general officer should ascertim by cummation what they knew individuelly

Bearis of arumention should be held, and entitlets also possess competent I nowledge should be gravited, the same as for musicity,

time with the trunsport I have proposed

languages, field telegraphy, and so on It should be meluded as one of the tests qualifying for staff employ There year one or more officers should go though a practical course of this duty, and, if found sufficient, be registered for transport corps

I entenant General W T Hombo or Commands y Sertuad

The regimental organization I propose would give every facility for embling others and non commissioned officers to quality themselves for transport duties

I entennt General J Forker Commend a. Miner Days on.

They might be taught their duties at centres of matricetion, eg, at Poons and Mhow, un he competent offic is There should be a direcfor of transport with each corps d armice, and assistants with similer bodies

Major Real & W Mac at re Ch Coundy Hyderslad Subs Herce. Major General R. O Fir 11 cm. Common lo., Morret Di 1990g

By producal expenence in carep of exercise or on the line of march By sending every candidate for the staff corps to serve for a certain

Mayor General H. B. Browne, Command og Sauger D stract

I find that it regimental commanding officers would place their transport, when menching in relief during the cold merther, under special charge of one or two of their officers and require them to attend to the details of its 'distribution assembling marching, loading and unlording," a great deal of very neeful training and requirations with

The numes of others so employed during marches, with some information as to the qualities they have shown, might be returned at the conclusion of a march. These officers would form a sort of reserve for the purpose indicated and they might be assisted by selected non-commissioned officers with the sume object

Major Coneral J W Schoe for Ch. Command og Northern Di : 1882 Bembyj Army

They might be attrohed for a time to the commissions department or to a transport true, if such should not be placed under the direct control of the former

Brigadier General G Burrou Ouarter Muster General, Rombies Burrows.

I do not see how officers can obtain much practical I nowledge of duties connected with transport unless a small train is lept up in cook command, and this, in my opinion, even if we had officers available for it, which we have not, would be a needless expense

Prigadier General F G Kemp ster, Commanding Ceded Districts

By having the animals of moreable columns attached to regiments in neace time in charge of a named officer under transport supervision

Brigal & General T J Murray,

Cumps of exercise we the only schools for prictical instruction on what may be called a war scale I however do not consider that any very speed training is necessary to make an officer who understands the language and of sufficient Indian experience in efficient transport What is most required is a complete "field transport manual" officer

adapted for India In the late campaign the want of my regular or approved system was graveously felt, and it was only after very dearly buight experience that matters unproved. Moreover, very joung and nexperienced officers, with little or no knowledge of the language, were too frequently ca-

ployed on duties for which they were quite unfitted In future I strongly recommend the employment of Native and noncommissioned officers on the transport service

Colonel J A Tytler en r.c., Commondiar 6th Goorbhan

I do not see why a certain number of young officers from both But. ash and Nafive regiments should not be attached to division and district head-quariers to learn their duties as transport officers, and after passing the necessary examination, to rejun their regiments until such time as their services should be required

Attuch the officers selected to the commission deportment for a Colonel J Maclanuld Secretary to Governan. Department Govern ment of Bombay Mil tarn certain time, and let them also go through a course in the veterinary school

See reply to clauses (a), (b), and (c) of question 7

Colonel A. H. Murray, Deputy Adjutant-General R & m I plea Colonel D Standen Ass stant. Adjutant General British Burms

Davanon.

If a concree handbook of instructions relative to transport duties in time of war nere published by authority, officers might be directed to atlain the requisite knowledge of these dunes, and a report as to their respective attramments in this respect might be made in the confidential

report on the named inspections of regiments Printical experience of these duties would, to a certain extent, be graned by officers at stations where move ble columns are kept up and ezeroser

Licutepent Colonel & C T Hegg op ty Quarter Moster-General Dep ty Breakty

Officers might be attached for a course of instruction to the depots above proposed. They would thus learn some important part of their

J citemant Colonel H A J title Officesting Deputy Assistant Quar-ter Master General.

If appointments in the commissariat department are limited to five years on the same system as those to the general staff, many others would gain expensive in that department which would to a great extert qualify them for ir maport work, supposing their time in the com-missional department is not devoted to office work almost oxclusively as at present For the rest, I think an officer who is a good regimental officer, possesses energy and common sense, with a knowledge of the language and chanceler of the Natives, and furnished with printed instructions as to the brists of the transport annuals, such as that camels will not graze at might, and that therefore murches must be timed accordingly, &c , will, with in active and practical superintendent at the head of the department, assisted by a few experienced assistant superintendents, be ter; quelly, without previous training, qualified to act as a transport officer.

Mayor A A. A Kualoob Reputy Assustant Quarter Master General

As will be seen above, the very essence of the system I propose is that regimental transport shall be purely regimental, and that ever officer and man shall have opportunities of learning and practising all duties connected with transport I would suggest that this subject should be taught and studied at

L entenant-Colonel R. Hundell, 2rd Hussars.

say, two (transport) schools-one for Bengul, and one for Rombay and Madris, and that regulations on the subject should be published

I externat-Colonel R S Clo-jand 901 Lancers.

We have so few officers, I do not see how any could be spared

Lectional Colonel Lord R B Kerr Commanding 10th Hossans

One officer per regiment should be attached to the transport department to learn all particulars connected with that branch which are mees sary to qualify him to undertalle the supermindence of regimental transport. The department steel would, when established, sorn require the practical knowledge of their baraness, and would be officered by men of experience in the transport of past campaigns. To avoid ince-sant change from one hand to mother, as is the case with officers holding

sightness and regumental undrustications, the office in reguments should be a permanent at affeling his first of an impact are or quarternative, once to intelligent non-commensured officers. If should not not cost the variations of dany billioned officers from egyported temporary been related to a least of ministers officers in earlier having threatly been related to a

Locatesant Colonel J C La Queste 12th Royal Laucers In England, commencing the very 1871 and on, during the actions namethres the sublitum obsers of my regument were instructed under my direction by the riding master. Those employed acquitted themselves mestaccitabily.

Major I W Chaplan Sth Hussers

Classes might be formed at large sistons and also at samps of career. A small bool of rules might also be issued continuing useful information on this subject, and can helite for earl by ment in the timepert service in time of war might also be obliged to obtain a certificate of ethicacy before being reposited.

Major E A. Wood, 10th Hussies

In regressive 68 Bright versity there are but few occasions on which an effect could be speed for a subscently long time to become captured with these darbes. I fanny thriv ches of write these representable of the truth of but the service of the

Captum J & S. Markenne, 9th Lancers I was of spanses that it would be a diffired metric to establish a school of antisotron for the issention of the curves, so offices sould not be too, the practically without has may a large transport and opportunities to work, it is miss of price I would suggest a numel for diviscould and regimental transport be drawn up, similar to the one inseed by the Heres Charch for regimental traversey. This case would have to reclaim the carriage obtaining in India, as the English one only deals with horses and eartie

Colonel J A. Roddell 1 2eth Regument

Officers should be attached to the transport department to quality, and a book of regulations should be political for information and guidance

L'entenant-Colonel T Royland Communding 1 5th Publishers Should a dismosal temport evire be established, officers from regments might be strucked and undergon course of matrixions in the principlement of mainly, error of egypara, a, &c. Some non commissioned officers and men should the be furnish. By strucking a regimental officer to the commissional during the right states, to be on the system of proturing maintain and courage the

Inc to mut-Colonel W Whaties gor I 18th (The Repai Irus)

made entable de-rapides of or range, sed the sengiler than above error made entable de-rapides of or range, sed the sengiler than above error and sould be made entable to the extra fine decide occurry may ear to the other or the transport.

I cannot obvecte officers being taken from their negative for the transport and duties. It is to the debiament of their corps, and at the precurry of

Lecutenant-Colonel A Temple near Commanding 1 21st I as I ers

of evualities in school to always high unwaget officers, if or services can lead to spared from their regiments in time of air I should imagine the simplest plus would be to utilish regimental officers to the trusport course in time of perce, in order that they

Treatenant-Colonel G F Walker, Consumaling 1 12th Lock

should be duly instructed in the event of war.

Officers could be trught then distor connected with regemental frame of which forming out which coming out their connected with common the arm stores, I consider an officer music case to be a regimental other when he undertuck the noncestrat trumping for each dist. He would proper more essential, the employ trught worstaff in non-common trumping of the distribution of distribution of distribution of distribution of distribution of distribution of the management of anomals and distribution of

Jostensol Colonel D Warren Con manile g 2 littl (Prince of Ital's O to) Regument

supplies

In my, opinion, a proportion of company officers should be attracted to the commus wort for transport department if sq article) to have these

I estense! Colonel G W Paget, Course hag 84th Reg me t

> Should be truned at the centre depôt, and afterwards do duty with his regimental trunsport

Leaderant-Calonel J S Hamil Commaning 181 R—marcol Litatena i Colonel J W III. "i es

51th He, me t.

That has other operations of active service, is very difficult to entry out in price time. Something might be done by a clarr and simple code of insert status, and addressing as mora regiment oil of zers to possible to the tracy and department, whenever any consulerable force is collected, and moved.

They might then be placed in charge of sections of transport, and if the came time be allowed opportunities for learning its general working

Locateman Colonel C R Knowles Commanding 6"ta Regiment

Presuming that in fiture there will be a nucleus of a military trusport cope maintained on the finance, il not in e ch of the presi trusport cope manufament on use moster, in not me ch of the presi denses. I nould suggest that "schools of nustration in its usport duties" be for ned at the systems where trusport depths are establish-ed to which regimental officers should be sent for instruction in the

management feeding, loading and powers of the various maintle used for transport purposes, also weight of loads that ungois and cuits ought to carry according to circumstances. A regular course of study to be pursued. Let es to be given by veterioury surgeons and qualified it rusport officers.

Should recommend that the brightness of transport delivered by Colonel Colley when Professor of Multiary Administr (ton at the Stuff College be pinted and search to the officers attending the schools All officers washing to quality as transport officers to have some knowledge (collectival) of Native languages

Officers passing through the schools to have a capital T placed opposite to their names in the army list

Non commissioned officers and pure des might attend the school with great alvantage to the Servine

Letulenaut Colonel G. H. Pa Lon. 92nd H alda ders

If a egular transport service was kept up, officers might then be taught otherwise I do not see how they can

Ma et F Stephen 4th Battalom Rufts Dr gode. Major F S. Terry 1 24th King's Own Bordsters

Supposing the transport department to be formed as suggested, by attaching regimental officers to it for a short period I would recommend that subultarn officers of between three and

seven years service, one from each Butish regiment with a proportion served years service, one from even of these regiment, what a proposition from the staff corps the funner made supersumment; ble adjutants in the regiments, should be appointed transport others of their regiments, and so attached for duty to the seb commissivist department for trans

port for three years. These would form the junior ranks of the deputment, the semor ranks being filled by selected commissions officers

They would while so employed secure the pay of resident commercing office, i.z., Rs 150 per measure and would be available for general transport duty under the commissant department for transport

This service should prove most populur, as these offices would so often be called upon for field service, not only to have their legs ments were complayed but on other occasions. On a return to their regiments from tracing ort employment files y noted be alsocoted by mostlers chines being sent

Major Hugh P Person, 125a Post.

By the system I propose regimental officers would learn their duties as transport officers and would be so employed in time of war names as conspect owners a to wome to so employed in time to that But there should not be called upon to superate transpot other than that of the own regiments. My scheme provides others from other sources for all transport per rice not included under heading (c) regimental

Major J H Comptell 33ml Regulatet

As young officers have to go through a gratison control of institution, — and this takes place at large stations, a face nextly every variety of transport is collected,—I think they simple to make twick in a named daty of that time but the course of instruction should be as simple as possel le, and should not keep an officer from rejoining his regiment at the expraision of the garrison course

Major J D Dyson Lourse Sith Reg ment.

In my opinion it is as essential that regiments should be efficient in the management of them transport as in marching and it should be a the management or new promptor as in minering that it should be part of their ordinary s oil to manage it. At present they are wholly merps a need. An office regimentally should be trusport off or salected by, and responsible to the commanding office for all matters connected therewilk under rules which would require def ming

Marce G K Show 68th Pool.

I do not see how they can be taught practically in peace. But it would be a step towards it to have a good "trimport maner"; published editedly, in de dorrey allow have a copy. Such a not could easily computed from Wyor Funck; preceding most managed in the Journal of the United Service Institutions of Institut for 1575. Let you defere used seed in the peace of the pe

the system or the ingrape of the men they had to do with I that more use might be made of non commissioned officers of the European earthy and artillers for the executive work of transport

Major W H J Clarke 72nd D gidanêtre

trans

It is very desuable that both regimental officers and non commissomed officers should qualify for employment on the trusport service in time of unit, especially the latter, w—

1st—B₃ being attached to the trusport department for duty in

perce time and I though that a certain amount of the regiment d transport should be always allached to reguments in pace time under the charge of an officer, reached by non-commercence others, say substent for the purpose of maring the tests, begging, i.e., of the two companies belonging to the maritable column. Note State of Balling

It would be neces are to know the statem of transport likel to be carr loubleto e sterge t me a system of metricism. A tre t con the net we exp. It e a I proper treatment of the summal likely to be a cal would be of some all e to im sport off core vilo are nov vithout my guide I fancy

Cpan H VPI Ha m 1 Francista Gwn] Rogm t

A certain n miler of berels could be entertained by every regan out for local se v the highest med men could be trained (le answer 16)

Chenel C. R. O. Fran Caro me I. Royal trible y Microt D. soo

I consider that may average regimental officer required with me shed dies and may others were afficiently quifel athors much training the class | abient out i my opin on her githe 10 es s on of sound common case great 1 at thee and unbout ded good temp of

Major Brite Whent ILL M t S no ry to Has G acc his Go eru of Madres

I think regimental experience with a matri mg corps the best lessor A camp of exert so af the s I good of t ansport sattered d to is a good school Information my le collected by attending at commis and games to learn the lead no of an make and elucle expedents in the re ly reparate is get he a d foll seadled the study of the art the net coffice and past a little op blates and ears of an unils Co, with a knowledge of Hand atm and other emocul r and above all a good i mier an offeer lillave af r foundation fo the next enmy gn

≥II C Let Courtand og I le Re | Ar dlery

Detact a few from the ring ments more antelliomerch to a separate district. Little a bear the assures of their especial districts in the n or ste of all emels bullocks e to cool es &c L till on ill indo them after jemen's appointed by demosive. Let the im ter su h s 1 I usons un I I possible guettem some uci al trai port of stores to effect. Order one o other of them to prepare a co tana amount of carriage ly a cr tain date use til possille

bove pres 110 es legisl ton to enable the propostions to be 1 m gnen effect to

May FT Hum Comme md ng CCI salik int le r

I do not so a ler at desard le that remmental officers sho ld bo employed a the transport or we and espe all not a time of an

Ma W Wudo Com mal Fi Royali e Arti Maj TMH g () and E.3rd-Rojal-Art s 5

A reply to the que tion will be found a my answer to No 7 in which I have dealth at which I have part of the subject I magne that good not comes as oned efforts would be on thy as effects, where the joint hereafter if the count feed necessary to tend regimen before 1 ; literal thou tresum a continut satous here there re l a onal he l ar ers

Ij tie Hon. A Steart Com dig IC loui il me Artulla

The only pos lie my no 11 be to keep up a cert in amount of trans The engines is a "no fisco long by 4 cert name into trust post fill regime to under a document over a number of non of the enginests." See the shade of the enginests and most of will be judged time. I also it is not indicated the enginest of the lefting of lames a hidden seem to define any along of a defending wilding the mile lefting of lames.

My CFNon Boyal Horse

The samereel at (a) a d (b) and II I sould almost mo one office from each remment attrabed to the transport compand lea megal ed tes under the director ad las assista to

Mart Fi C Galor Fegal

As stated a answer to q estions 7 and 8 I think the duties mucht be tot gift in gar ason schools

Wayo W H Nobe Boy I to

A cole of reg laters a the table forms a male to the or homes code in 11 km in and 15 count of today or of affile lepart meet and g of 11 level on a todo the aff 1 le 15 lp (0 11 and 4 level parts of the affile lepart meet and g of 11 level on a todo the aff 1 le 15 lp (0 11 and 4 level parts of had a level to a should it a level) of from e nents ser ig m lid | the ene l ntoro freer | ntoro freer mlatical l aff in forthe a to the lice end on the minimum in an interfere a to the like of the interference in the standard in the like of the law, ago store to the I to not mean a standard has todge but a protect college at knowledge

Can n C C B I 13-S

Idonot se my n r to may the that « Hels o to effect t the treat gractes we have a line notice does ly
d vn aga and (in strott ly,) book of a free for the
fruspots collar manific fell millalarings. 1 remapes to the maintefell of 1 1 1 7 1 1 201
project for the maintefell of the major of the following to the following the following the following the following the following the following to the following the fo Cer 1, 15 t or entern a ut of the \ t ve required forms e | puner t and lott n, a.e.

Toutement P C Trace RA No 4 Ha are Mountain Battery Litt jab I router Force

If Government would allow each regiment and department to leep up a certain proportion of transport permanently with a regular estal. heliment there would be but little difficulty in every regimental off er making himself acquainted with the work, and so quality himself for work under the transport officers in time of war.

Cole of O Wilkinson 2nd Ben gal Cassim

As I um of opinion that two additional officers are required with creatry regiments to complete their organization, I do not see how any officers could be sprued for transport duties, that is to say, if they are supposed to be withdrawn from their corps

Colonel II gl Go gh Command not 12th Bengal Cavalry

A transport department baying been organized, every British remment should be cilled on to detail one officer, a subattom and every Native regiment, a Native officer to be at all times attached for a period to the trusport servee of the station or district. These officers to be relieved on occasion

Capin n M G Gerard, 2nd Control India Horse

This is needless with Native cavilry, all runks being accisioned to pony curriage—the most difficult of all to manage properly. For British corps either by maintenance of a small amount of regimental transport in perce which could be utilized to carry frewcoil, rations, &c , in cantonments, or regumental stores from nearest point of mlway, or by attaching officers for a few months to nearest transport true division, who would have charge of a wetson, if possible on convey, and second staff pay for the time, conditional on satisfactory performance of work

Brigad or General C J Godby Commanding Punjab Fronting

By attaching them for the time to the moveable column transport under the transport offices of the quartes master general's department But regimental officers could handly be spared from the small catala ha ment of a Native regiment, although perhaps officers of a Birtish regiment might be

Colonel T G Econody 2nd Pumpab Cavalry

Opportunities could be given by employing the moveble column, or at emps of exercise marched partly for the purpose—an, from Labore to Peshawar and buck. Reliefs too might be arranged with this object to much in luge bodies

I cutement-Polenel C LaToucho, Commandant Poons Horse

I would attach young officers after passing their drill to the transport for six months during the busy serson, say from 15th October to 1st March, in the same way as they are now sent to garrison mistriction or army signalling. In this way two or three others might always be stitched to each section of the transport corps, and whilst leaving their duties, they would be useful to Government, and would be available hereafter when the details of a reserve spatem and been decoded upon

acutement-Colonel J II P looks to 1 Commanding 3rd Kalcolmae i Suul Horse

The only plan that occurs to me is that overs regiment in changing quarters should move with its transport and supplies is if on service, and it would be the duty of commanding officers to see that their officers knew then regimental portion of the work

In the same way convoys of ordnance stores, ammunition, engimeer stores, and commissauat should be moved in the winter complete as if m service, and extra efficers might be attached to all to learn the organization of each, the commissional being employed as on service no obtaining and in ushing supplies to the troops or departs suits with which they may be sent. This nould of course entail a certain amount of expense on the Strie, but nothing can be learnet without return pro-

Major A P Palmer 9th Bengal Cavalry

One officer from each regiment British and Native, in India should be detailed for transport duties, and changed annually, if possible Regiments and britishes north of the Helum should be permanently

equipped to the extent land down in Bengal Army Regulations, paragraph 2326, as follows on alry I squadion, minutry 200 men, artillery 2 game Regiments south of the Thelium eventry 1 squadron infinitry 100 men, artillery 2 zins

Regiments across the old frontier and in the Derajat might remain equipped to the extent wither-

12ed for the Punj de Prontics Perce

The currence except in exceptional localities, should be available at 24 hours notice, and recent, as at present hill rates while in employed

The flying column, consisting of the troops in each extion, equipped as alore should be frequently exercised in the drill serven, being sent out for a few drips at a time with native ton to attend continuous to front certain points, as a st deten enemy, or take up position within a radius of six unless that the transfer of the trans of the station &c

The regiment'd trinsport officer, two non-commissioned officers, and two men would be in charge of the extrage of each detail ment. Instructions for their guidance or all occessors would be careful each by the director of transport, and enclose supernote needs would make frequent tours of inspection to ensure requirected that sport officers understructing their dates.

At emps of exercise, imperial durbars or other large assemblages of troops, regimental transport officers would, under the system proposed, have wider opportunities of learning their duties

Colonel II S Obkard Command ant Mat Bengal I sfactry

Tenching is quite unnecessity as it, and offer is and men of the Native army, and almost so to British regiments that have laid a morch in India in whef The men of Artice regim at, are used to the management of animals from their childhood

Calend P Dus it be Commanding 10th Native I statisty

Officers would read to learn their duties in the same way as they have qualified themselves to be musketry indirectors it., by the study of a brudlook and of the regulations which would be published by Government for their guidance

Colemet G W Fraser 35th As t vo Infa ster

Officers at present in the service should be taught the duties appertaking to the transport department in the garrison classes, where

those ditties should form a sepan ite subject of study Officers entering the army hereafter should be instructed in these duines at the mildary academies

L entenant Colonel H Worsler, Comma d ng 7th Natise Infantry

Regimental officers might with advantage be altached temperarily for daty to the commonwealth or to the transport depote suggested in

Leutenunt-Colonel B J Walker, Commandant 17th Not ve Infentry I sentenent-Calonel R G Regers, 20th Punjal & stare Infantry

Except it comps of exercise, I see no chance of an officer obtining any practical insight into the transport system

I trutena i Colonel F B Norman Commani g 24th Pu jub hatise Infantry

No, unless the regimental transport system be established permanently, as in the Punyab Frontier Lorce

L'enterant Colonel H St G Tucker ilet Ant ve L'fantry late Super nicollent l'Ennagont l'essu 41st Native Infantes

Transport duty is really very sample. An officer of a Native regiment, who has neted as quarterma for on the line of march, or with a moved be column, ought not to require further instruction

I north suggest that a book of all transport rules and regulations, and giving as much as possible every detail regarding transport current of all descriptions should be written by the director and lished by on the components were not with the start of the direction in instanting the components, and there every officer in the energy of and it is invested in the formath himself with a copy which should be produced with the other bools at the perioducal inspections by the general communing

time is the other examinations take place each officer should be examined in to his knowledge of its contents. Any offices descrens of lenny illowed to join the department should be allowed to serve continue any various measures at every moves no june ene separations assent to minimize to extre under one of the superintendents for at least any or muse mouth groung him access "read-note, and learning up every detail as to the measure of the deportment how the necessaris should be kept, &c, and it, the end of his production be should be called upon to pass an examination the papers leng end. down by the director

users by solutions:
These should only be allered a bas ted number of probutioners for the department; and they should be allered Bk 1.04 stall pay an abilition to the shift copie pay of their rull. These officers, which was only the economists and mirel themselves perfectly on quadred with the native great for transport and the management of the accounts, noted pane in visible in time of war as a significant supermittenist, or to obtain at visible moment as a generated with the contract of the accounts as a generated with the contract of the accounts as a generated with the contract of the accounts of the accounts of the account of the account of the accounts of the account of the accounts of the accounts of the accounts of the accounts of the accounts of the accounts of the account of the accounts of t

Major 9 r B P Bromberd 40th hat re I dantry

The introduction of a regimental transport stem would effect semathing. It would be a good plan to a time off cor-not it a quarter mentioners of the second partial partial partial partial partial and the second market man charge of all the transport entengenentia whence this regiment mention truebes. Let have make out all the indents, bills, &c, and settly as with the commission of the second partial parti regulations would be of the greatest service

Major 1 C W Crockshank, Com no. d g S2ad 1 or coss

Yes, this is a matter I have often though-out, and I have always regretted the wint of some rejectory (not can clear) for the averagenesse ground in India. No amy his but such experience of transport as the Indian, whether by see, and on one of the Indian, whether by see, and only one plans and none.

tunes, through descete and forests, and with every hand of number of the early experience congine or mere reason members of the members of interaction are crossed from the or speciments retained and the disconnection regarding supposes. Under on the hille principles been no evidence at the beginning of this congruent they would have been made to their tangent of officer did not know what a cross could ent. And bland in head must have been no officer who, a magalong as I dod from the It due to the It clammed, could not trace much of the suffering of the unimals and drivers to the inexperience of others in ellings. Now experience is most a inted at the opening of a comparate on set que le presser par que coule —all the more necessary therefore that the first step should le taken well

Much experience of transport muiters has I can bet to officers unl men by the substitution of rule ay for route n arching. On this seem alone if not for health's sale, I would advocate a rever son to the old system of marching regiments in come of reli f

To ensure a general knowledge of transport I nowledge, there should be a transport school, where young theer can be trunc I by practical work and lectures

young there was as well as in passions a wax as measures.
Such a rebuilt would be management, it is did not buy it for our expenses, and to not it practically a prace of tool comprosage full end plans should be taken and noticed on a war transport of stem Unibedia to the large full statuses more Sunda noted by our now that we use to hold the Arbitan, known, and Penhan, the communications on these more dended be taken up to a transport call-depart. ment and norked as in war. If started, there should be on each line an officer to superintend and assistant superintendents and it insport officers as required. Single should be appointed, with a project

staff, and a regular as stem of invoices you make, reports, and accounts brought into force. Young officers effected from regiments should be attached to these lines for an months at a time, and after under going at a head quarter station a course of lectures on transport dities, one feeding, and clothing of going in a first protect sustain a course on recourse on a surpose in the series are recoming of an entiting of annuals, nitrants and remodese, constituents of circle, fitting of pick solidies, pilvas, I trands, &e. conduct and defence of comors they should those he east to "usus it," and extendily entitled outputs. Once trught, they should return to their regiment, their questionates is exceeded executing to ment, and their names published in the nimy list

Government would thus here a bely of officers sendy it once to start on an accepted system.

An idea seems to menal that any duffer is fit for the trusport department, and the department is generally considered a convenient resident for pestering volunteers, who cannot for many reasons be provided for elsewhere Expenience tracks that in officer cannot be too good for transport worl in I that it requires a high order of intelligence and administrative study for its efficient working

Major I' I' Bo troft, Alli Gostlins Title answer 12

Colonel H Bo mad ng Mu Sakin Bostagon, Com

The mamediate organization of a fransport department is of vital necessity Colleterally, radways and transvays doubt be ju hel on randly, traction engines used and light carts. The more course for the plants, in the bills deplants, camels, male, ponce, bullecks, and eoohe=

I e tental Colonel J. J. Bornell Comman It ig 2s d Sikha

The commer officers with regiments whom it might be the intention of Government to appoint as transport officers might be attached to regiments of the Panyab Trontier Force to learn their daties as regards care and treatment of biggage cattle. Were the superintendent of transport up cented, he might organize a system and teach them

Lieutonani-Colonel F T Bare brd_e 4th Sikha

By being attached to the transport service during camps of evergree, and also temporardy doing duty with the transport in times of peace, in districts where they could len't the system

Major A G Ross, 1st Walls

Putting asule veterimity knowledge, which is good but not essential if good veternary subordinates no supplied, I think you want as trans port officers only good well trained regimental officers recustomed to system and discipline, and who are of active hibits and patient temper for saddling, &e , an officer neight attends central depot for a month or so

Colonel A Jone as Commund ant 2nd Madras hatne Indentity

I would suggest that all escoul duty non performed by the police such as charge of treasure ordinance, and commission t store, should be performed by the Nature sumy. Its experience would be alluable to officers and men

Colonel W A. Gib Com undant 2.th Modeus Native Infantry

Practically, by sending them out with moveable columns not quite understand this question, or what the officers are to learn am sine if I storted with my regiment to-morrow for the held with so many bulleck-cuts, so many cannels, so many ponces, I could take care of them with the assistance of my officers but if my young officers are to le frught my thing connected with the field, to of them practically by taking them out into it like must be at one and health, and good rider, and able to sland any amount of exposure to the sun

Colonel S Edwardes Commanding 2nd Bombay Nature Infantry

The commissional and transport department should form a portion of

the general state of the sum;

the general spontanents to it hould be tend le for three years in the higher grade and for three years in the los er. No officer should be allowed. to exceed five ye is in the department, even if promoted from a loner to

higher gride. He might be rea pointed after three your regimental duty. In this minutes a real number of officers might be proof through the department. It may be might find the dufue of the commissioned proteoned require officers spe rolly trained for t Laperience, however t never officer wise for, whenever was lived's end, the experienced commission officers we sert to the first in I fold ly mexperienced officers take their phoes and conduct the duties efficiently. Under the as to a lice of ndiverted, there would be in time a large number of exposured officers in the arms and when some were sent to the sert of arm others would be available who would be agreemed with the duties required. were sent to the section in a square assume the training many and the square for the square of the s

say Rs 10 per mensum, to be drawn by an officer in each regiment and brigade of intillers who and first by serving a year in the transport true and by passing an entimention in trusport did (,) for knowledge of the vernously bring one of the tests

Color of W B aboy Ruffer Banucrinan 41h If some regular system was decided on, and the details and baled, officers could peakly thouse the lip, and would quartly inviser than the could not received to your their why at these we no mean that I can see for an other to know the transport is word peakledly in time of pace.

Col n l H H Jame Comma l

The can only be effect ally done if there as some ! all of fixed land post string in time of perce to which they could be alterted for the purpose. Under the present system, I don't think it is presuble to instruct others learned and, I leave not practically

Calcuci J. Fa rigother Community ong 22od Hombay hata a Infanter

Let the transport serine be regularly organized, have depots of nistraction at head quarter stations, and attach officers to them for a certain time to pass a cour e the same as in the case of aimy signalling or must sire indirection. This is the most simple part of the whole question of trumport

Colouel J I Willes County stary Genreal Bengal

According to my ideas there should be no transport kept up size on the frontier, because of the expense. Should it by decided otherwise, then it will be composed, I presume, of currage locally obtainable, which, if lared, would be engaged at two rates—ore for contomment the other at graze. All the former would be worked by the commissariat in can tonment -1 very limited quantity. The 1est would be only seen once a month. I cranet suggest how my mental officers could learn anything of transport duly under such erroum-tances

Colonel R A. Means Asting Comm 1 sty Se eral Madras

By attaching them temporarily to the commissional and placing them in commission t charge of a British regiment on the line of march, entrooting them with the charge of all the public currage, and require ing them to provide the supplies on the mench and to render the accounts

T enternational M W W Her of the Acting Commissions General Bar if ap

As explained in reply to question I (i), I would propose that regi-mental off eer should be detailed to the charge of the faurear at all large centres. Thus, if carried out would give employment to a certain number of officers and at the minor stations, where it may be decided to retum field column carrage I would place it in regimental charge, on the understanding that the commes unit should have the are of it when required and this small charge would afford some instruction to the regi mental officer detailed to supervise it

Colonel 1 H Sibley Reputs Compared Grand Bagai

All accounts of transport must be lept by Nature agents sending necounts to commission officers to repet the transport officers. From port officers must be in their daties in regards feeding and care of an mals. The rules but down in Fe-brazzi I seld Force orders and in several mans. I as rais rais ones in reservant i use i terce cetter i on in reversi cei fras (ceptes pet up in "d of upcoda. L. T) proble el by moduring il se empaga point est clearly the important fectures in tiese matters u bies biende engre a tim-sport colliera vitalizato, sech as repairs and relitivas genr grooming fo d and eare of mora ble reliquational til lords. This so tales, if compilet it in a content force, could be carly learnt by all officers especially at 1 outset ports

APPEADIX B

Copy of a circular No 73, dated 2nd January 1579, from the Deputy Commissary General to the Com mising and Impropert Of cers

The attention of executive commissaint officers is again called to the necessity of sending utter 1 the of all camels preceding on serves with regreents, 20, by the camelmen. See also to day's erroulars

Copy of a cucular memorandum, dated 10th January 1870 from the Deputy Commuserry General to the Commissional Officers

I recentive officers are cornectly requested to usest the transport officers in making at once a settleor t of necon is with the camelmen up to 1st Ionuary 1879, and to using fresh atlanamabs from 1st

I'm sy 1842
2. The tilonumits should give det ils of the owner, of the cuncle and the date and place of ongurd entertunement. But the pay on these fresh tilinaments will be pay the only from let do may 1 The assistance of commanding officers should be invited in unlarg settlements up to let

January 1879 A chowdry for each brigade should be told off and sent to made at once a list of owners, and the transport officers must venity these lists in consultation with beigade officers

Copy of a circulu No 81, dated 21st January 1879 from the Deputy Commisser; General to the Commit and Transport Officers

As there is still some uncertainty felt by transport and communding officers regaring the feeding of hired camels, it is notified for general information that the camels at to be fell duly while there is a scarative of foreger and there are to receive one sees builey and four seems bloomed it.

2. When the camel our ers can provide for thomselves they will do so, when they cannot, the

transport or commonding officers will putch a male uply, and record all purchases made S. As (grade) you at the matter will be referred for order of Government, but in the membrane General Stemant line uses to discrete and to the effect that are uson open measurem per contact is to be deducted for the food the crimels have reserved (megaludy in many eas a) from Government, and atthement of recount to let January has been ordered on this statem

this the lity of it meps I and continueding officer fast from making officer) to see that the number of propely tested and well let not conjust of the art j by each of the trained but you for it is a first of the conjust of the art j by a first of the trained but y left in a first of the first of the conjust of the art j by a first of the trained but y left in a first of the conjust of the art j by a first of the conjust of the art j by a first of the conjust of the

5 This eitenfur to be shown to all officers concerned

Copy of a cuentur Ao S1, dated 94th Junuary 1579 from the Deputy Commis are General to the Commiss riat and Trunmort Officers

Batches of canels a c ent up as they become available, but in returning them ity to get ense class of weather on a latel when practically

As there is a difficulty about officers and escorts try to make up batches to 500 cach. The is the largest number that can well be worl ed in one convoy

Gover et ca cle all to be put a one batel a d of mured of hired on nels

Camels to be purchased as quickly spossible and kept for con of or godown purposes where

they can be easily supervised

togy time or every superview.

5. Carvoys the Materia as early we possible to get over the sloge early and allow camels to get what hittle grazing there is to be I will be enable offleres to see food up over red and given to an main before it is don't. There schoold be see forming on the compared to the conditions of don't. There schoold be see forming on the conditions of the food of th

possible

7 As a rule Quetta camels and guards should only go as far as Chumun and camels and guards should be changed there—It is hoped a large number of camels will be allowed to work qualify from Kandahar to Chumun as there are very few camels are lable on the s le of Quetta

8 B abor camels work to Quetta most set stacto by from Dadyr but at present they refuse to

go beyond Questa.

9 Lette to be sent to officer commanding at Chamma warming him to despatch conveys so that he may be alle to arrange for exchange of guards

Copy of a a roular No 113 dated 17th February 1879 from the Deputy Commissury General to the Comm searest and Transport Others

Transport and comm arent officers with troops are requested to have enreful n sice rolls prepa ed and a great for all so note to the east regularies.

They Recompt a the tlansmans with the camelinen and note that the numbers present

actually agree with where slow as still alive and pre ent as per thannumbs noting my difference on those p no counts of all camelinen should be able up above to end of each month. All accounts up to let domary have it is believed been estiled.

4 The recounts m at he all made ready on the narch and before troops reach Quetta. The

attent on of t auspo t officers is specially directed to this very majoriant points

5 It is hoped all advances have been regularly entered in than unabs

Copy of a circula No 1 8 dated 23rd Mr ch 1879 from the Deputy Commissary General to the Comm ssar at an l Transport Officers

Thrusport and executive comm samus officers are requested-

(1) To see that the under of camels for whethere a chused are present or accounted for (3) All difference between those now present a divisional at the and those noted on original thansamal to be duly never d on the brek

(3) Layments to be made in press es of the man whose are so the tils and the owner of the comeils and both and of ordries

 (4) The or er's once all falle s a c and village to be recorded on the rece pt
 (5) In the event of detected deaths not being recorded an average to be struck between the dates on which district information is noted

(f) Where an owne presents an itlan mah and desires cettlement without any details whatever

being then a thereme must be n at the new factor in where he are a the implayed.

(7) As the object is till a much owers should be leadly dealt all a difinally estiled a than see as possible die tamport officer she id reserve se he pudgmeest in propa by the settlement which if cone ned in by exce the comme annat officers may be prid it controlled in paragraph 8. The above points to be attended to mind no estillements with confident

Copy of a mreular Ao 206 d. ted 1st M y 1879 from the Deputy Comm stary General to the Com m sarrat and T anspo t Officers

All a rouns a d n letee s alo lid be pad month y in presence of transport offer by the Go era need egent and regular asso e rolls of animals and men lept

noted opens one regions: one a rotate of naturals and men a per 2. When men are sent on command they. It rose we thanking a will be all show that the men were paid up to the last day of previous month. a did a thinnamah will be given to sen or year dust or attendant, his name being entered on that and also a muster roll for reference. If on unber of undetern will be noted also in thanamak and muste roll

3 The rian man ills or the date up to which the mutuals and men were rationel and from whose rolls flee, have been noted us o command and they all to included in the column as on

command in the muster roll as usual with Histories of Government cattle

APPENDIX F

Curcular by Colonel T H Sinker Deputy Courn sury General —No 208 dated Comp Quetta 4th May 18 9

3 The tansport officers w'll solve the a d of all commanding officers to enable them to carry out the netructions here a continued as the efficient could ton of the tansport is a matter of tal importance and attention is here called to paragraph 5 of the old transport rules

CARE AND PREDING OF AND ALS

Rat o s

The first point to which trunsport officers me st pay attent on is the condition of all the getr The palans and pads must be kept in perfect order frequently re-stuffed and made to fit each annnal

The gear must be carefully put on the summal's back, so that the load may be properly advusted

The mimils should be laden quickly, the periodic second that all the attendants assist in 4

loading As a rule, the animals should be laden early in the morning, and should move off at once to the next encamping-ground, and on arrival should be sent to graze A certain number of animals with nets should be sent to collect bhoosa erfolder

6 The animals should return from graze one hour before souset, when they should be well rubbed down, and phools adjusted for the night

7. The ruman's should be feel at samest, and when possible the latty, should be crushed, hand-mills being corried, one part to 20 camels or makes being taken with each botch.

8. The contains of the names should be proceeded only by the personalvar, and transport officers should see the named's bocks as frequently as possible.

Directly an named as observed to be galled or otherwise rendered unfit for work, no leads should be put on the animal

9 The attendants of all galled or unserviceable animals to be punished, either-

1st, by being put on half rations.

2nd, by fine, \$rd, by indiction of corporal panishment when the neglect is gross and calpible

10 The joinsdars should be named that if more than 5 per cent of their animals are rendered

unfit for work, they will be put on half rations and fined 11 As a rule, the "skotne, blacksmith, and mooches will be kept at depots to effect the repairs more quickly and satisfactorily, but with large conveys a portion of the establishment may comotimes

he detrobed at discretion of transport officers 12 Trusport officers will be told off to supermitted batelies of about 1,500 animals, and will keep charge of the same animals as far as procheable, 1,500 animals being about the number required

for a brigade of troops

13 They will see that the daily ration is provided on the line of march, and when practicable will send on sowers to warn authorates of the quantity of food required for the animals at each stage

When moving with the army, they will assist commissional officers in collecting supplies

14 Transport officers must obtain mouthly muster rolls from commanding others, showing the 12 Transport contra secus socials amount attacks from soon constructing contrary recording on number of namile simpley od shalv with each detailment of troops, and the distinct or which employed, e.e., with largings, tends, summantions, stores, private command. The neglect to obtain those muster rolls, which should show all increases and decreases, has consed much inconvenience.

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ESTABLISHMENTS
     Cantelle
```

```
1 Nath-chowdry on Rs 50 to every 1,000 camels
1 Missidar
               on , 20 to every 230
                                                          Commessary -General's lotter No 642.
  Jemadar
               on , 12 to every
                                  160
                                        ..
               on , 11 to every
                                                        dated 22nd January 1870
1 Duffadar
                                   80
               on , 8 to every 8 camels for laggage &
1 Sarwan
                                4 for commissariat stores
```

With warm clothing and ration Mules

```
1 Jemadar
             on Rs 14 to every 100 mules or vabous
                                              Commissary-General's letters Nos
                                              210 and 705, dated 11th and 28th
                                             January 1879
                                        22
                                               Commissary General's letter No 010,
                                              dated 5th February 1879
```

1 Nalbund (pay as may be found necessary)
With warm clothing and ration

For camels

Gear sanctioned for camels and heles

```
1 Prim
1 Nove rope
1 Set of leading ropes
```

1 Jhook

For mules

 Pack enddle, new pattern, complete with I head chain, iron, head stall, bridle bit, rims or loading topes, and suffer 1 Heel cham, iron 1 Set heal straps (loops) 2 Pegs, tron Hammer, tron, for driving pegs, 1 per 25 males

Brush Curry-comb } 1 per 3 mules

Jhools, one per mule

Sureingle, one per mule

Commissary-General's letter No 243, duted 11th January 1879

(Sd) T H SIBLEY, Colonel, Deputy Commissary General

The following rules are to be added to the general rules published with my circular No 208, dated 4th May 1870, on case and feeding of transport manuals and are to be tead is paragraph Ca 6t. and 60 -

Ca Whenever any other description of folder is procurable, white (i.e., i hert or barles) blooser should not be given to ennels. Misser (divide or gram) blooser is the proper food, and these should be given, if obtainable Grisses of soils, including linearie, green bailey or wheat, are all good,

the figures, most o gram are procurable, they may be given in preference to builty, and barley should, as before noted be grained, if possible and made into atta balls for It is to be noted that the ration of fooder is the manipum ration and is fixed on the supposition that all the animals will grave for 4 or a hours drub. Where no graving is prouvible, extra todder may be given to the extent of 2 seers for males and pomes and 4 seers for camels under orders of general commandance

(Sd) T H SIBLEY Colo d. Dept by Community Gueral

Deputy Come issury General

SCALD OF RATIONS FOR CAMELS AND MULES

Camela

2 sees of gran 4 sees of bhoosa Commissiry General's No 1136 per comel per does, with graning dated 25th Lebrary 1879 Mules and posice

2 seers of grain 6 seers of bloosa per normal per diem

In Afghoustan, where fooder is somet, I seems of bloom is to be the intion of fooder for mules and ponies, with grazing

Tormstron of troops of males and a mole

The mules to be formed into troops of 100 each, with one jemadai and two defiadars The camels to be formed into tholes of 90 under a duffidar, with journalies to every 160 and

missidate to overv 230 camels

a The spees will receive 5 makes creds and the sun ame 5 crucks and they will be lept with these variances of once changed. Net warmth, sequence speed, to ethicat in hapital, will be looked offer by super actionable. As a side named will be recited in their one times.

The periodizes and duil dates will be responsible for the animals and gene of their troops or

thokes and the runnils will not be changed from one troop or thoke to un'ther

Where troops or that as the briken to complete of upment of regiments, animals detached

from one troop will be attached temporously to another troop or thole, but will be I ept on the rolls of then original troops or theires

6 A duffador will always be detached when more than 25 mules or 40 camels of his thole are eest on command (8d) T H SIBLEY, Colonel,

Dated Umballa, 15th October 1878 From-Colonel T H Similar, Deputy Commissary General and Chief Commissariat Officer m the Field

To-The Superintendent of the Transport Train

In forwarding the accompanying rough rules for guidance of officer appointed to do duty nath the impopert train, the chief comme servet offices feels confident all officers will use their best efforts to and the officers of the commissanat department in introducing discipline and regularity imong our transport men

The services of Native troopers have been applied for, and the definite order of Government on this point will be enculated hereafter

Extract paragraph 6 of Government, Military Deports ont, No 228k, dated 8il October 1878, to the Commission of General Beigal

IV For the rest, the proposed rules for the regulation of the transport service appear generally suitable, and are approved by the Government of India

The formation of a transport tran having been codered by Government for service with the troops At present 3 sesistants are requiredordered on service, the following rules are lad down l or kohat Quelta Dera Ghara Khan for guidance of all off cers concentul -I The whole of the truss at for the army in At present vest taut superinter dents are required-6 the field will be collected and placed it der the im 1 or hel at mediate orders of the commit are gones if in the Opetla At pre-ent there v H be responsed Katava officers or men of custler regundate field or the senior commissional effices pre-ent

2 The sensor come a small officer of used divi 20 sion will supervise the firm f his division, in I he Fer Itel at will be accepted by superintendent of tomsport trun Ou tto 20 Dera Ghaza Kima for creb division -Ֆեո≌ բ. ե

4 Superpiter that of transport & Modfore or cupts us
1 Asset at supermit add there exery 1 000 counts address, or 1000 mades B. 339 lon. 20 Rerg rndat Lo diβ har I have off in penaltine definition too pens of earthy regiments for every a 1 la f is provided in a souther 1. and at

(1067) Appendix IV

The attendants for camels and males will be provided by contractors-one camelman to three camels, one muleteer to three males, one eartman to each cart

A naib chowley on Rs 50 to every 1 000 camels, a mule-chowdry on Rs 50 to every 1,000 mules, a backery chowdry on Rs 50 to every 1,000 carts, those attendants will be under the orders of the assistant superintendents of transport

Duties of transport of ours

1 S periotendent for each airsison

Сапър сервите в ведене атапънска, 3 фаув рез

3 Commanding officers will return to the commissional through their transport officer all

Sign of returns
Ratur of surplus pervals arrange to transpert officers
Private our ago line to be deb tok to commanding
officers mentally by pay department

credited in public accounts to Government month by month

Commanding officers responsible for care condition and outdoly of traces out made ever to them having become mellicient

Duties of transport officers

To see the condition of genr

Selection of greater grounds, supervision of grating

Pickett ug of cattle

Sul animals to be separated

9 On line of murch all the transport officers and then resistants to move with their respective Pranaport officers to move with transpo L and to wear d of agends of me fr

To remove obstacles and reload an m le and in removing obstacles, such as brol en earts, &c

To place transport in a place of safety when column is attacked and to element for troops

To see cattle ere fed and report reglect

To enforce punct all ty to e source mumals not being Lept laden longer then is nece early

them as soon after arraal at camp as possible extion with the stuff officers on this purificalin point so as to ensure this being curred out carefully

To comply with underto only after passed by communicated for

or providence

A superintendent of transport will be attracted to each drusson of the army, an assistant superintendent of transport will be attracted to each drusson of the army, an assistant superintendent of transport will be attracted. A superintendent of transport will be attrebed Military equipment transport under commanding tendent to each brigade to assist the military officers in looking after the transport with each regiment

Commanding officers will retain with the regenerals all the trusport regimed for the indivity engineer of their corps and all purate carrage, and they will ugo monthly returns of the

currage so placed under their orders

private earnings which may become surplus, and which will not be required again (nor can it be and the state of t

It will be the special duty of commanding officers to see that carringe made over to their charge is kept in an efficient state, and no carriage will be changed by transport officers unless satisfactory reasons are given for the cause of the critile

> 6 Transport officers will direct their special attention to the following points -

> The trunsport officers will circfully see to the condition of the gen of all the animals

The naib chowdries to be forced to repair or

renes all unserviceable goar
6 They will select under orders of offer commanding side and good grazing grounds, and send a hain e assistant out with cattle while grazing

7 They will see that all the cattle and stores are mel etted in regular order, and in spots approved of by communding officers

8 A hospital for sick or decreed animals to be

formed at some distance from healthy anim is, and resistance of vetermary surgeon called for

transports and to new some mark nhereby they can be distinguished as officers of their transport train 10 They will keep order on the line of murch, and with sp re attendants 10 men til on from

each batch of 1,000 camels, assist in reloading animals which have thrown or dropped their loads, 11 They will on occasions of the enemy attacl .

ing a comos place all the animals in a sheltered spot acked and to eleve read for troops

unt I attacl as emploied

12 They will were the mail chouders to pareliase food where groung is source and it will

be their duty to ensure the nameals being well fed To secution related supermented and crued for, reporting all neglect on the part of the main chower as to the experimendant of transport, who will recommend times to be infinited on the

13 They will endeatour to enforce puncturality and regularity on the part of the attendants, and they will see that unmils are not lept liden longer than is absolutely necessary, by not lording before they are required to more, and by unlording The transport officers will be in constant communi-

They will only comply with requestions for carrage on indents after they have been signed by the commissionat officer of the division or brigide, without whose sunction no alteration in the distri-

but on of carringe should be male 15 In all matters of doubt or difficulty, they To operall commissant officer in matters of difficulty will consult the commissant officer of the brigade or devision

16 As transport with stores becomes an ulable, it will be sent back under orders of commissariate As transport with stores measured, it will see some man, money to commission of commission of the depote in rear, with or without correspondences.

Transport editions to more with rulls fetching stores as the sixtle of the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through which it will possible to the country through the cou requires, and as the general commanding may decide

of all transport.

17 The trusport officers will always return with the same batch of annuals as they take down to the depôt, and will bring up with them a dupli-To carry up revences

cafe of the myones The owners of the carnage are responsible for the stores laden on their snimals or curts 18 Transport for the ordnanes and engineer departments will be made over to officers of these

Transport fo engineer and ordinance departments to be made over in the transport officer to a persuan-

To counters go all rolls of commonling officers and

Government critic fed by agents to be supervised by transport officers

Mule train of 1 and make to be organized on General ment epitem at Rawal Pauls and Penharan

two duffeders on Rs. 12 per measure, to enforce orders and maintain discipline

Lopds for animals which should not be exceeded as follows -Elephants 16 to 26 maunds, recording to size of animal

Camels 4 mumds

Mules, 2 Corts, 4 Chrts,

per ballock

break down after a long march Crea of elephants

Med anes for set entite

Position in column of each class for transport

Clamp equipage
byggage
Anno united.
Regramental stores and pays success

28 Stores should generally be placed within a circle and the cathle placed outcode all round
This foresation as a protection against theres, and as
the best for rounding a middle attack of the enemy outside

29 Strictest selvore enforced afte dark

30 In conclusion the transport efficient must use great their and descrition in desline with it is transport attendants who are nearly off land man, spechage travess dealest. They will had believe believe of much assistance in convergent their orders to the chronizes and efficient. They should benefice on these mon freely m communicating with the Native vitendants, they will find it much easier to enforce discipline by so doing (Sd)

T II SIBLEY, Coloud, Day Commissiony General, and Chief Commissional Officer in He Bed

Circular by Colonel T H Sinkey, Deputy Commissary General, and Chief Commissariat Officer in the Freld -dated Umballa, 20th Octol er 1873 The Deputy Commissary-General has much pleasure in circulating copies of letters as per margin

from the Covernment of India and the Adjutant-M http:// Deputiment, Government of Ludia No 355h dated 15th October 1878 General regulary the employment of hative officers and treopers of cavilry regunents Adjutant-General's No. 109 dated 9th Cotober 1978.

2 Each superintendent will apply to the general officers of the forces for the service of 1 e general outcies or the torces for the service of l-gements, 3 duff-dons and 26 men from any regi-ment and will leap these men attached to their column of sup-intendence Kohat

2 Quetta 2 General Stowarts D vis ou 3 The superintendent will draw the may and staff pay for these men from their regiments and 4 Peel war Parees from local forces 5 Huston Abdal

will disbacke it monthly, sending acquittance rolls to the officer commanding the regiment and keep ing a duplicate of the same for record in their own offices

departments, and in assistant superintendent of transport will be detailed for duty with each of these

deputments Carrage that becomes a place expenditure of stores will be made over to the superintendent of the davisor 19 The superentendent of divisions will keep Superrates load of transport of the sion to loop roll 10lls of all transport, and arrange in communication

with the commissional officer for the payment of the owners florough the chowdries

20 The superintendent of transport of each division will countersign every roll of carriege before sending it to the commissaint office; for check and payment

All Government carnago, elephants, mules, bullocks, will be feel by a critic agent with each brigade or division. These will generally be attached to regiments or departments, and will be supervised by the assistant superintendent of transport of each

bugade 10 The fured mules to be trained and organised

on the same system as that of the Rawal Pinds and Peshawai mule farine

They we formed in divisions of 100 mules under a journatur on Rs 15 per measure, with

24 The loads fixed for the different animals are

Units, a , per pariots.

It is the special duty of transport officers to see that these loads are not exceeded, as animals will 25 Printed instructions regarding cars, &c , of

26 Transport officers will earry a supply of ordinary medicates, and will apply for services of a velociting surgeon in extraordinary cases of diases 27 The general officer will direct in what position on the column of march each class of trans-nort is to be, and transport officers will enforce

elephants are sent to each transport officer

str ci attention to the 1 do and arrange that the different betwhen of francient are ready to tale to their position at the frequentiams. Irrating animals before they are required will thus be worlded

on my courcy To ensure rest for men and munuls, the strictest slence should be enforced and flying sentres ; laced round all cattle enermong grounds

4 The Deputy Commissary-General hopes all transport trum officers will recognize the interest His Excellency the Communder-in Chief has taken in the successful working of this truin, and he feels confident all will use their utmost efforts to raise the true to a high state of efficiency, by looking after both men and animals under their charge

No 3.5K . dated Sunta, 15th October 1878

From-Colovel II K Blane, on Secretary to the Government of India, Multary Dept., To-The Commissary General, Bengal

With reference to puragraph V of my letter No 238K, dated 8th instant, I am directed to forward a copy of a communication from the Adjut-No 103K dated 9th October 1878 ant General in India on the subject of the employment of Native officers and men with the trumport trum to accompany the troops on service and to state that the views of His Excellency the Commander in Clinet, as therein expressed, as to the rates of pry, &c , we accepted and sanctioned by the Government of India

2 The Drength Deputiment will be ubbressed in ware to the 35 efficiers and men required to complete the number needed for the transport than being furnished

3 I am to request that you will be good enough to inform the Government at once as to what stations, and in what proportions, these detachments of Antice cavalry are to be sent

No 1856, dated Samla, 18th October 1878.

Torvarded to the Deputy Communistry General, Upper Carele, with reference to clause V of Military Department No 2285, dated 8th October 1678, forwarded with this office No 1092, dated 9th October 1878

The report required in purgraph S of Military Department No 355, dated 15th October 1878, should be furnished on an early date with the return of the letter

(Sd) J I WILLES, Colonel, Commissary-General

No 103K, dated Simia, 9th October 1878 From-Maron Grannat P S Loussen, Adjutant General in India, To-The Secretary to the Government of Indra, Multary Department

With reference to the subject submitted usth your No 220K of the 8th October, regarding the employment of mounted Nature officers and men in the general superintendence of the funiagent trum of columns under order for earlyes, I am directed it the Communical in Chief to state think, considering the important nature of the duty and its strictly military character, His Lycellency thinks

the most officient method would be to select a Nature officer a party, with any 1 jemadar, 3 duffadars, and 26 men, from several reguments for pur treular columns. 2 Such a measure would ensure the maintenance of discipline in the body not otherwise pro-

curable, and would moreover afford great facility in adjustment of men's accounts I am to recommend a staff salary m addition to pay of-

Rs 20 per mensem for jenneder
15 n n for duffedar.
18 n n for son ars

4 Should Government be pieced to approve of this suggestion. The Excellence will be prepared to call on three regiments to provide 90 of the number required, while the remainder, it is presumed, may be supplied from some of the local forces under the Government of India

3 In the event of these men being taken away from corps, exact on should be given at once to replace them, as our weakness in Native troops is a metter of versous importance

PS-The unexart of your letter under teply is herewith returned.

Copy of letter No 810, from Chief Commissional Office, Umbulle, dated 21st October 1878, to the Principal Commissionat Officer, Quetta Resulticement Porce

All your camels are under your head-choudry, who furnishes security. Nub chowdress for every 1,000 camels are to be appointed on scenarity of head choudry, and fresh security tal on as necessar

necessar.

2. Psyments will be made through head choudry, who will destribute the pay. He will arrange
for payments at Muli sales, before men start on the timp to Quelta, going right through and at
Quelta constance be will make other payments. As no cancer will stay on the read, they will be read. at end of pourmet, receiving money enough for the trip are to Goette and had 3. The charactry will sail mat belts and rolls a good by trumport officers, and you will pay them

for your division (see temsport true rules sent to you)

4 Icu stort train others will dr u their oung ay and will be in all respects on the same footing as all other staff officers. The muster rolls of each division will be signed by superintendent of transport, and counter 1 goed by accessint adjutant general, and sent to paymenter Each officer will draw his own pri

5 The pay of Native officers and troopers will be drawn by supermicedent of each drawn through the regimental mellicrities, who will include the staff Pay, and the pay will be distanted under his orders.

6 The transport trans officers will recentum from the owners of the camels and currege that they recent their pay monthly, and will take a monthly acquitance rell from them.

To egoing circulated for information of officers of transport train

The camels and mules are to be divided into divisions of 1 000 each and called Λ B, C D, &c, divisions of camels of make

9 The camel diversors will be divided into troops of 80, and mules into troops of 100, and numbered 1, 2, 3, 5, c, so A division enterly would signify the first troop of the first or A division of coincils

3 Nome religate of the attendants of each trace and diversion should be at once prepared. the cannot attendants culted arm belondly, massakins, granding, definders. Surface to be told off for each division, and in the same way, jounding, definding, was system will be posted to each troop of makes.

4 Long rolls of the retendants to be prepared of all the attendants (coparite sheets for introducts of each coop) in form me use in the commissional department showing the crists, residence, &c, of each students.

5 The long rolls will be kept in the office of the superintendent and the nominal rolls only sent

with men detached on command

6 The comes at Kandhan will be divided into divisions A, B, C D, and the cimels at Quetta

10 I T, divinous as more coincid surre

7 The multe at Kandhan (Government) will be the A division, those at Quetta and to arrive

B, C, D, &c

Quetta, Jane 1879

(Sd) T H SIBLTY, Colonel,

Deputy Commitmany General

Colonel M J Brander Officest ing Doys by Commissary General Colontia I do not thank all regemental officers are envisible of being made and effective the required officers. It has provided officers to common a noveledge of their claus, have been engagemed at reply to appears of a larked too before on shows undergoes the proposal communities on transport to clause the state of the communities on transport to clause the state of the very most communities of the common the result of the clause and cold are supprise contents, over and feeding of summits, and samply and report of their gent, and for provided work off contents and possed chances should be put in charge of the transport at compare of excess which could, may opinion, beformed on a small sevel of many of our large stations at thrully any extra expense, every cold seems. Hathe employed on the day, all tunspers of officers should are weare flattle employed on the flattle of the content of t

Colonel J Keer Deputy Com ments General Lower Circle Bengal I know on one elect possible than a hole a commercial officer returned Is would be well if an officer of every regressed could be stroked for with less one parts to an executive office. The training he could get would be to deel until Natives, to modustrud exists, and to levan commercial be so deal until Natives, to modustrud exists, and to levan commercial but five proceed as even and if pro during this time at which they are with their regiments or brilleans on sorrows, home ther claus would be to lead with the causines, der provided by the commercial continuous and the parts of the regiments or brilleans on sorrows, home here claus would be to lead with the causines, der provided by the commercial continuous and collect and parts of the regiment which would be requested by the non-commissioned officer and Native, and with the regiment or britteny

Colonel G S Mactean Deputy Community General I to a Low in worset charge of the labyber and Ku van Perces Let commission to ficers select off one from regiments, and order commanding efficers to put the selected ones under the commission officer for turbon

Colonel B Q Mannar ag Deputy Ass stant Commensury General Kamptee Whenever's reguneat moreless the transport for loggreye tents summarize the should be not stope of vashibers unstand of the commensural suggested. The interprete who now receives small ollowance for a miscoure would be the best man wile could communicate with the Natures and a small success during the march to his pay a would make it worth he wished to the work. It releved from regimental duty

Lestens it Colonel J V Hunt Dep by Assistant Commissary General Bongal If the truspert is to remain in the hands of the commission, required to serve in form in the local commission office for a their time in order to learn the northern the world. If it is to be a separate department, they should serve such term with

Hapes M A. Remlandson Evans nor of Commustrant Accounts Madras such department

It is deficult to provide for the knowledge of the practical duties of truspects, but the theory might be made a subject of examination for momentum.

Major W Luckburdt, Deputy As stant Commissary General Umballa

I thusk it very dee rable that regimental officers all over India should qualify for employment in the transport service. To teach these off-eers their earls, it will be a matter of primary necessity that certain raise should be fixed for guidance positing out the way in which payments are to be made, and the manner in which the later rute to be conducted for

The officers recommended to be kept up permanently for transport purposes should be spented to statems in which this largest number of feld column carrage in lept up and the latest largest matter than the statement of the state

Capin a T P Hobbay Deputy Avento t Commissary Senoral Kandahar The duter could easily be levent at the outset of a empage. Through handelige of the lung regs us seesing and cellum delium deli

J H B Hallen E q General Sundt. Horse Breeding Operations This question has been replied to in answer No 7

14 . Should there not always be an officer in each corps especially charged with the regimental transport $^{\circ}$

Lontonant-General C T Charabeds n Cay late Commanding Outh D is so The regimental quarternsider always does the a land of work at present, but his unjer we in the control or only limited to recovery carriage from the evil authorities or commissioned department distributing it to comprise the height different men, ite, and collecting the demands on public account

I sent General W T Hugles an Con manding S shed Dra a on L cutemni Caneral J Pocker Commu d ng Muon D men There should most certainly

Myor-Gener I A. W. Macatire et Comma di g llyderabad Sub e disry Force and the chart direction of transport

Yes in a Borth regionent, in which officers are immerced one
might be detailed to select the quarternizater. In a Madraw Nation
rag must the duty would devolve out to quarternizate. No other officers
could be spared for this special charter. The strumpt of a Borth
regiment as of sufficient importance to require the supervision of an
officen detailed for that that y II a Nation regiment transport them.

Les, there should especially selected, under his commanding officer

Major General R O Bright CD, Communicing Morret D is an

are considerably less

Certainly if the system of regimental transport is adopted to any great extent. The ansi er to the last question would soon provide suitable affects.

Major General H R Research Con muscling Sanger D str et If a system of reg mental trusport was established, such an officer would be necessary But I am not prepared to recommend regimental trusport.

Major Gene-d J W Seluc der C2 Co 3 d am Nord era D 1 s ca Bombay tray The questionarder, or the effect representing him to wordly cocharged. If an effect can be spread for the purpose it would be advantgeores to the effect when they for required it remapped. In Active come there would be no deficult to manging the date to Active offer. In a British regiment it would be queed on his knowledge of the language and learne necessity to manage Actives.

Brigad e General G Batte s Qua for Master Ge eril Box bay Bris dict General I' G Femp stor Com usul a, Caled Districts

les the quartermaster should be in charge of reg ment it transport

Brighter Control I | I Musera; the Veoltan Brighde Must cert all very six while. He would look after the interest of his non corps in a higher degree than a strugger is likely to do. Certanik, Hitherto the quarteninter has generally been so employed, but on service his other duties tall on too much of his time.

Colonel J A Tytle Cu ve Command g 4 h Corklas Colonel H 1 Hume Cu Serv to the Gort, of Julia M 1 Der

Certainly It is the duty of the quartermaster

Most certainly

Appendix IV 1

(1092)

Col. J Macdonald Secr to Gart of Bombay Mily Dept.

Colonel A. H. Murray Deputy Adj tant-General, Royal Artiflery in India

Legalement Colonel A & T Hogg Deputy Quarter Master Gereral Bumbay Locat Col H A Little Offg Dy Asst Quarter Master General

Major A A A K nlock Dep to Assistant Quarter Musher General

Louiseant-Colonel R Bloodell. 3rd Hussars L cutenant Colonel R S. Chiland.

9th Lancers

Locatemant-Colonel Lord R D Kerr, Command or 10th Hossans

Lacatement-Column J C Lo Queme 12th Royal Lancers

I entenant-Colonel G Leek, Commanding 10th Hussians Mover J W Chaples 8th Hartars

Major E A Wood 10th Hussare

Captain J A & MacLenaie 9th

Colenci J A Reddell 1 26th Regiment Laustenant-Colonel T Romined, Commands of 1 5th Fue lears

L entenant Colonel M MarGre ger, 1 18th (The Reyal Iresh) Legatement Colonel A. Temple men Communication I 21st Fus hers

L cutenant-Colonel G P Walker Commanding 1 12th Post

Lient Col D Warren Coundy 2 14th (P W O) Regt

Lucutement Colonel G W Pages, Command og 34th Regiment

Loratement Colonel J S Hard Command | g 44th Regiment

L cutenant Colonel J W Hughes 54th Regiment

Yes, the quartermaster

Yes, with a staff to be changed from time to time see realy to anestane 7

I consider that in each corps an officer should be specially charged with the regimental transport

Yes in time of war, but in peace I do not consider that in India the system of regimental transport would be desirable

Yes, I have so recommended.

I think there should

Yes, if the officer is appointed specially for that duty and no other

Yes, he should be held responsible that the rules of the transport cipal insect to extract only, prepare all documents connected therewill, which more lamper and vergit down the regiment-I generated which more lamper and vergit down the regiment-I generated when on service M should receive and hand over carriegs, he ansacrible for, and superstand, the cattle and stock. To enable him to lead proper posseds, a book speculity compiled for the purpose should be attached to each regiment

Yes, certainly The mantermoster is always in charge

I think that an officer should certainly be selected for this duty

Most decidedly there should be , and also a sergeant (staff) and orther

two sergeants (lance) or corporals to assist him In times of perce, however, they would not be required (except the In thats of price, seevers, see years not no itemize (even; ice interprit segment), with responsed itempory would be in the binds of the troop or company officers. The self segment up intel a recognition of the district that would be studied anothly. The application of the district that would be studied anothly. The application of the district that would be studied anothly. The application of the district maintenance in No. 2, arms it, should be incomed in the district maintenance in No. 2, arms it, should be supplementations. divided and allotted regimentally, so that the transport sergeaut, perhaps with one or two assistants, might be well requainted with the cattle and drivers allotted to their regiments

Yes, but in India he should be in addition to the establishment

Yes, I think such is most advisable Certainly in time of wur, in time of peace the quartermaster does it.

Yes

I would suggest that such on officer be supernumerary to the combotant establishment, and his services utilized in some way when not actually employed with transport

Yes, presuming, however, that such an appointment is filled by a substitute. I think that in consequence of the practice of officers of that rank now available for duty in some British regiments, it would be necessary to make the officer holding it supernumerary to the establish-

Certainly, and another trained to take his place in case of ensurity

Most certainly Regimental trumsport in the field requires, in my opinion, to be in charge of at least one officer and a staff of non-commuseamed officers and parates All should be mounted Numbers, say 1 officer, 2 sergeants, and 2 men per company

les During perce all regimental transport at each station should be formed into a sub division and under the orders of the sub director

That duty is non done by the regimental quartermister. The calls on a regiment for officers for special duties are so great, that I do not think it advisable to increase them

I itetenant Colonel C B Knowles Commanding 67th Regulant.

Yes, but he should have some Providedge of the duties he has to perform and should speak the language of the Natives who look after amounts

L entenant Colonel G H. Porker, 92nd Highlu ders

Jes

n Most certainly

Major F Stephen 4th Battalem Rule Br gude Major F S Terry 1 25th Eng's Own Routerers

I think there should always be an officer borne on the rolls of the regional via anasote officer, but that it would not be necessary that les should be always damp duty with the regional. Decept on special occasions such as long nurseless and field service, I think it would be letter to besee the regionarchit transport to the charge of quartermesters

Major Hugh P Pezzano 12th Poolletter to leave the regimental transport to the charge of quantermisters of regiments

I have no recommended, also that this officer be relieved periodicalla, so that in every regiment there should be several, if not many, officers

Myser J R Campbell 30rd Regument so that in every regiment there should be severit, it not many, omeers trained to trumpout nord. Certainly The officer a subditern, should be especially selected by the communiting officer. He should not be exempted from my regi-

Major W H J Chrle 72nd Hghlanders mental or gravesse dairy, unless employed spectally on transport (work, but should be required to keep a lone, and of course receive the usual allocance.

There should be no officer and non commencement officers in each corps especially in a dange of regumental transport.

Major G S White Stad Highlanders

I think there ought to be a regimental transport officer II the regimental transport is to be employed away from the regiment, a transport office I coomes a necessity, as the quartermater could not

be somed from his regiment.

It will be necessary to offer inducements to offens to recept the post which will require constant and very close attention to an infraemo ind of worl.

Capt. H. M. L. Hutel son 1 14th (Prutes of Water Own) Hogement. Certainly He should receive a certainests of capitality to instructs others

Celorel C R O Evans Cum mand og R A, Mosrok Dev som. Leuterunt Celonel I Estelies, Repal Artiller;

I should shoulk it would be every for the communitum officer to subset out is now then required.

A bettern of writing we as present officered could not spurse one, but if one of the officer were pived in charge of the whole quarter-mostle sergencials, deportuned, by its regist to empty of types 10, from the contract and the contract of the contrac

Major Berto Hobert B.s. Military Screenary to His Greek the beneface of Madma this sould year by fail to lies.

Doubtless one officer in each comparisonal to ordered to look, viter the regression timesport, but he createst have may change independent of the communicating officer. Comparison to strong enough to prace expects of a bottomy, sum to be the propose officers for representations, when the total propose officers for representation to the comparison of a bottom, sum to be the propose officers for representation transport dates, saided by the officers of the tear guard in Leipning the crimes moving:

Major H. C. Lowest Command of I-1st Rapal Satisfiers hes If the duties of the quartermester weigh too hearily for him to undertake it, another officer abould be appointed

Mayer F T Home Command ng C C Royal Moras Art Berg

Certainly there should be

This question is also answered in reply No. 7.

Maj r W W W rioch Com manda g L A Royal Horse Arty Mayer T W Havelege Com manda g 1 Sed Noyal Artiflery

I see no reason why the quartermaster should not perform the

mandug 1 3rd Royal Artiflery

Wajer the Royal Her e Artiflery

Combe 1 C Royal Her e Artiflery

duty Most undoubtedly

Conde I C Royal Her e Art Rery Mayor C E Na me Reryl Horse Artillers

In perce t me I would leves all the officers trumed in succession. In we time one of these trusted mes would be relected to this charge of this part of the transport trum muck over to the regiment. The quirtern sets does not appeared. I would make him one of the few not eligible for this only, for many reasons.

Major P Ting Galliney Royal Art II y I should profes to see a narrest officer of the transport branch common and department told off to the cranings of each regiment. I think regiment all officers should not be taken any from their own duties on service.

Major W H. Solde Regal Would only be need

Would only be neces up in time of war and during perce in regiments attracked to brightes on a war footing

(1094)

The officer so selected should be assisted by some non-comm smoned officers of the corps, and should receive a staff pay

Capta n G C Bayly IS SEE Royal Artillery officers of the corps, and should seeve vs staff pay.

On service was In penel these appears to be no need of any such upon streets. Unless an establishment of regressent transport were always kept up a back I do not that k des ruble n jenes a rag mental officer would not gent de exper even encey by to make he melly weefin an wat. Regressial transport; pener I look on as a unabless capanie out levels are expense as the would not be worth mora may Of course out levels an expense as the votable of the pener I look on as a make so required.

Leufenont E C. Water ha No 4 Hozara Mounts a Butte y Punyab Front or Fosts. at a frantier states t in ght he neces my but nowhere size

Yes in time of peace. The quarternisher of the regiment might do the word in time of wer receiving an extra staff also mee for the meanested to kitch would fall on its hands.

Colonel O W IL ason 2nd Ben cal Ca alre

I scarcely think it necessary that an offeer in each corps should be specially charged with the regimental transport

Co onti Hugh Geu, h. Comman dant 12 h Bongo. Co. Jej

Ladoubtedly Yes but in a Native carely regiment this duty should be entrust-

Capta a M G General 2nd Central India Horse. B rad q General C J Godby Condg Funjab Fre t or Force

ed to a Nat we officer

The qualitermaster of a Natic corps is the fittest person to be an charge of the a rangements connected with the we mental transport

Colon l T & Ecunedy 2nd Puntab Ca a ri

No other I think if in the quantism of er who no present actually is so

The quartermoster of a regiment and his striff are inversely told off

Co encl J Blar VO Creema é n_e 1st Ben hay Lancere Lacutemant Colonel C La fouche Commandant Poom Horse.

for that spec al laty

I a transport corps on the princ plot recommended were organized.

I than at only the image-control detail a reg mental office to look
after the briggings mannels. Such po thous of the transport corps is
we a stath-off to rag ments all ould be under their or in clines; and
should not be interacted will a matter of inferior eccounty though
they would of course be subs of also to be office commanding the reg.

ment as regards the special purpose for which they were attached to his regiment

Loat Col J H P Malesimace Comma d ag 3rd Smd Herse. Ma or A.P Palmer 6th Bengal

Carrh

Certainly

Fide answer 13

Colonel I Do an Commanding
"7th Pumpah Mat we Infantry

Colonel W. S. Ohn ed Com

I consider that under the supervision of it signs terminater most of the duties could be elic cutly performed by a Net we office, assumed by a small staff of non commissioned office s and men

Colonel H S Obb tol Communication of the Notice Infancy
Council E Dandr due Communication of 40th Notice Infancty

Yes the quatermoster

Colouel G W Fraser 39th A L

Yes on service but under the supervis on of the brigide transport officer who would have to prov de for casualt es &c

Landonaut Co onel H. Worshot Commondus, th Nats o Infantry

Yes with a small staff sale y as remaneration for such duty

Yes the convictnmenter should be that offeer and on service be

L submost Colonel R. J. Walker Comma dant 1 th Nath classicary Lacator and Co. on 1 R. G. Regura 20th Pumpak Aut. c Infa. try should never be detached from the reguner tal transport

Ver the country-moster as generally the med with the reguner.

L'enterant-Colon IP B Acrosso Com a d'ug 24th Panjab Nata « Infant y Les the quantermaster is generally the god with the regimental transport

,

Yes

L aterant Counci G Ro croft 35th \at e infantry In a Nei we rep ment of she hild be under the quartermetter of I bel on a tile case in the expensation of the Parply I concerved when the personal of the Parply I concerved the confidence of the case of the personal of the case of the

Ro croft 35th Vat e Infantry

Les und I il tal the qua terraveter should be first offeer as he on lid enter on the dates with a loss fedge of his requirements in the way of many the heart of the control of the control of the control have with some small staff allowance for the work.

Li utena t-Colonei H St. G Tuel. 41 t hat a I fante late Sope otendent, Transport Tran 41st hat a lafautry In time of peace it is old not be necessary to leep up segmental car age, as exercil ug that a required could be sent up eather by making or bulled than In time of it when each regiment has received its regimental carriers, a regimental officer should catalaly

be put in charge of it with the good box commissioned officers to not, under then. This regimental transport officer should report everything regarding the efficiency of the curring and anything be may require and receive orders from the officer appointed superstandard of the discount of the transport form. The regimental intemport officers briefly be allowed 16 50 to meath extra pay and rations for his barry and the non-commissional officers such 18 15 a meath in addition to their ity and fire rations.

Major S r B P Bromhead 16th Native Is fo try Yes, certainly (see previous answer, 18) He should know the

Major A C N Grookshank Communishing 32nd Puntcers No other efficer is needed but the quartermatic who from time generated has been the transport efficer. In a British agument no acute no ctris womane, being afficient shreety, but it has Native army be thought him the assistance of a Native officer as Native quarternieter and a quartermatic british. In the 50 and in certiful these appearances has digital well they worked. To detect my other officer is merely to take away a combatant officer part at the time he is most wanted.

Major P I' Ba cost 6th Gorcidan I i le answer 12

Golond H. Be ergon Commond
Yes, and through us in this force under the regimental questionnaises,
nog the 6 lbr
consisted by a Native officer (Native quartermaster) and non-commissioned
officers and ment as staff

Larghanna Colonel I I Brawell Com marting and a Lb Most certainly. There should be a impropert officer on the staff of each regiment.

I enterest Colonel F T Hourbridge 4th Subs I a chance nonver for a Bertola regiment, but in a Neitre regiment. I also quantizante can ensily bolt inflor the regimented i numport. But in max time, but the far insuport is mercared and the day in heavy, there should undershipfully out offseer with a hundridge of transport days and under off the numerical file latter vary constraintly intended to each regiment and department in charge of the transport only

Major & G Ross 1st Sillis

Yes there should be In a Native infantry corps the quartermaster suffices

Gilosel A Jonlans Commandasi 2nd Modras Native Infantry I think the quartermaster should be charged with the regimental transport

Nes, and I think the quartermaster generally four take charges

Colonel W. A. G. b. Communitation 20th Madeus Native Infunity

Colonel S. Edmandes Community and Bombo, Native Infinity

of the carrage on the base of much or in the held.

Yes the quartermoster, in the absence of an officer qualified under the conditions given in the pressure agency.

ing find Bounday Native Infantry

Colonial N Bannering 4th
Bentry II fin

Yes, the quartermaster

Yes, this duty devolves on the quartermaster

Colorel H. H. Tames. Commanding 10th Bombay but to Industry. Colorel J. To disother Commanding 2" d Bombay batas Industry.

les, most decidedly. But with the present primity of European officers in Mative regiments one cannot be spared

Lectionani Colonel O V Tamber Compand og 29tf Bembay & I Colonel J I Willes Companyery Get eral Bengal The quartermister, assisted by a Native officer

Colonel R. A. Moore Actions Contrassery General Modern As before stated, there will not, I concerre, be any transport with segument

I contract Colonel M. W W Houghby Act og Comm sonty General Housing It does not seem necessary, if a commissariat officer is attached to each regreent

In time of war optimity and in time of posts the in cases where foll column as offer trangent in pitch in regiment of change. Set we like it is questions. No 7 (g) and his of this poper. But to cause the waves of the requested trangent optimity, the commoding officer may be highly responded for, and all reads, most its presently interested my the condition and the efficiency of the number and engineers contribute to the charge of the regiments, and nothing short of such cortil optimizations have from the recognition will present here from the recognition will present here from the recognition will prevail her from the recognition will prevail her from the recognition will prevail her from the recognition will prevail her from the recognition of the corting and recognition of the first time to replete countries of the time to replete countries.

Colonel T II Siller Deputy Community General Bengal All regemental transport should be under a selected officer and a defaul of troops told off to and hom in care and distribution of aparagle

Colonel V. J. Brander Official ag Deputy Commissory Sensial Calculla. Certainh. An officer from each regiment should be struct off all regimental daily for this important service—one who has quabified in transport, and he should draw a staff pay of Rs 100 piles hore. allowance Colonel J Reer Deputy Commissary General Lower Circle, Bongal

On the part of the regement to see to its own interests there should correctionly be some one. His work should be to see that the fall number of crimins, &c., we supplied, that they are excressed and that the of crimins, &c., we supplied, that they are excressed and that the commonweaver congenit and ugast propielly distribute them. This is is hitherto to desire the proper which they are the proper which the result and single except the proper which the result and except compared with other wall and single expension of process a knowledge that purpose and the remarkable for an advantage, expendent it has precise a knowledge of the variancials. It would be all the grant has a special following for the processes a fact that the variancials. It would be all the grant has a processed the commonweal and the processes that the processes the commonweal of the processes that the processes that the processes is the processes that the processes the processes and the processes that the processes are the processes and the processes are the processes and the processes are the processes and the processes are the processes and the processes are the processes ar

Col. G. S. Muchean Dy Comy Genl. late in Con m startat clurge Rhyber and Auram Lorces Yes , but under the orders of the head of the transport department

Colonel R Q. Manner og Dy Asst Comy Genl Kaupten Lt-Col J \ Hapt, Dy Asst, Comy Genl Bongal

Certainly as the Natives otherwise never know whom to look to but it should be one who understands them

Majer M & Rewlandson Exr Count Acets Bombay Yes, such officer might transact all business in connection with carriege now performed by the quarter wasters

This duty is the special province of the quarter waster

Major W Luckl ord: Deputy Assistant Commusory Gonor I Umballa. Ats, I reconsuced this measure very strongly. This officer should on all occasions of troops moving be mide to loop the rolls and see to pryments feed, for. He should be feather responsible that the atthes and looks are not exceeded, which I submit to be a mitter of the greatest importance, and quite beyond the control of commissaint officer in the field.

Cupte n T F Hobday Dy Asst. Communicacy General Mandahar les, a codo of temasport rules should be driven up, and it should be under put of the examination for promotion and for entenne to the staff corps

J II B Hallen Eng General Supermendant of Hor o Breeding Operations

Yes an officer of the station or corps to which transport number may be attacked should be always told off to assist in caring for the feeding, management, &c, of the sumals, and thus harn the duties of a transport officer

15 How would you propose to ensure a thorough knowledge of the unount of transport available for line or purchase within each division or district, and of the time estimated to collect it?

Leatenant-General Sr D M Stewart 1.03 Committing South om Afghanyian Iteld Force District officers ought to collect and compile statistical records of the nature, which might be periodically revised. Such officers would probably the best pages of the incer request of collect the tumpers cataloble in their district. In point of feet that is done now, I believe Theorem propris might be checked by military officers deputed to obtain information by recommensance in the course of duty.

Lacatenant General C T Cham berlam C S I lato Commanding Ondh Drusson.

If the local regiments which I have recommended for adoption (masser 7, paper A) was approved, it would be a part of the data of the commander of the local bittain to less haused informed upon the capitalities of the dutated in respect of carriage through his recerte men

A system of registration of earts and usuals kept for larse could evaly be sunctioned by Iwa, and
the will use chort hairts and partievas might unducted fail such information in their reports and dance
as also the numbers of our train biblioks used for agreement purposes.
As first there would be upon deal of general large parties of the country from prophersons of a

At first there would be a good ideal of general burring all over the country from apprehension of a new tex but a produmention for pure numb) by the distrat officer with the spectral full menos per specify ally the suprement with when owners came to find that they were not interfered with they

would accept the order to register.

The time estimated to collect it must depend very much upon the ultimate destination and the position of the distract chief from As a rule, I suppose the whole available resources could be collect ed in a week, but there might be a great strum upon forege.

L cutenant General N T II gibes
the Communitying Salamia Dave

The executive officers standard to divisions and largereds should keep a regarder of the transport which counts is made, in the larger of the transport which counts is made, in the larger of large

the consistence of the count materials.

These registers should be handed over on rehef to the relicting officers.

(1097) Appendia V

Lepterani General J Forbes Communiting Misser Days on

Major Ceni A. W Vocature C.I. Comdg Hyd S ha diary lores Major-General R O Be ght c n. Communiting Meernt Discover

Major General II R. Browns Communication Sunger District.

Mayor Goal J W Schne der GE Comdg A Bran Sambay Army

Brogad er General G Burtours, Quarter Master General Bunkov Br gad er General F G Kempster, Communding Coded D strets

Brigadico General T J Marroy, e n Meoltan Brigado

Colonel J A. Triber Cu vc, Commanding 4th Goodhine Colonel H K B true GB Secto tary to il a Ge remment of India Military Dopa tricat.

Colonel J Mardenald Secretary to Gord, of Bomboy M ly Dept

Colonel A. H. Murray Deputy Ally task General Poyal Artiflery ta Ludia

Colonel D Standen Ass tant Adj tant Grugesi British Bermin Diris on

I entennat Colonel A G T Hope Dep by Quarter Master-Gentre Bomboy

Louteaunt Colonel H A Little

Off a steep Beporty Assessment Quar-ter Master-General

Major A A A K alest Dep ty Assist at Quarter Master General

disposed of Government when required Should a sufficient number not be forthcoming in this viry, what is required must, of course he impressed. The available animals having been discovered, a selection should be made of those best suited for transport service to the extent requie!

Those chosen should be brunded and registered, and the owners should receive a small annual fee, payable as long as the animal renamed in a service rble condition

The transport officer should obtain this information through the civil

officers By periodical returns from the civil anthorities

By requiring the different commissioners and deputy commissioners to send in periodical returns containing the information

The officers of the quarter-master general's department and station staff officers should obtine this information from the district civil officers, and record it in a tabulated form

Printed forms might be furnished annually to the evil officers for

By communicating with the chief civil officer or political agent of a Native State The civil and political officers could furnish this information

By transport officers of skeleton depôts obtaining returns from civil

authoraties of amount and I and of carriage in the district half yearly The information might be obtained from the eval authorities by the quarter-muster generals of divisions or districts unless a transport

department is formed, when it would be an noportant part of its duties In the camel districts of the Pumpib a register is hept of the number available by the card authorities for the collection of the grinn g dina. and the same system might be adopted as regards other carriage

The commissaried officers and chief transport officer of each division or district should have no difficulty in oftuning all the neces are mformation from the civil officers of the district

This should be the dity of the officers of the quarter master gener als and commissant departments at the bend quarter of each command, who in communication with each other and with the own mill miles should collect the necessary information, which should be regularly begut up and personality forwarded for the unformation of the heids of their departments and of the Commander in Ch of and of Government

Information on this subject ought to be in the posicision of the officers of the quarter master generals department employed in the several districts or div sions

I imagine the an only be done and ascertained through the outl and outer and police. A queriety, corrected return night to rendered, a map being kept of the distinct showing the until or every manni, as may being kept of the distinct showing the until or of curts, manni, as may each town and village. Thus this information would always be at hand and could be seen at a glance

Collectors of districts or other end officers might be enjoyed to forward periodically to the different military authorities, returns give ing full and picese mformition, under various headings as to the amount of transport apulable for here or purchase, and of the approximate time it would take to collect it

The enal officer of the district might furnish to the military com mander a monthly return of transport as allible for him stating the time estimated to collect it

The amount multible for purchase could be ascertained whenever any likelihood occurred of such purchase being necessary

The district enal officers should be obliged to furn a quarterly to the principal commission of the command for the general officer's information, a return showing the names of the owners of carrange, the description of ear range they are in procession of them is idente, and its distance in rules from the principal rule as a lit as in the command. Such information is supposed to be furnished not to the commusearrit deputment but it is supplied in such a way as to be nes-less, being generally incorrect. All currage should be legally bubble to be need

With the resistance of the civil authorities it should be receivated

what the emphisties of the country we In the first place the unimbit units should be encouraged to voluntarily place their amorals at the

Ti e animals should be inspected animally by a competent selected officer and in case of its laring become unfit for work t shall be aguin handed with a different mark and the animal feed con tinue l

An mals it us retained for Gos eramont serv or should if pore ble be occasionally culted in end exerce sed with troops a four rate being paid to the larve while so and loyed.

When drivers could accompany the nameals at would be so much the better and larvers who proved amountable to disse plut and generally behaved well might recover cert facilities entit for glens to a proved amountable to disse plut and generally behaved well might recover cert facilities entit for glens to a reliable to the plut amountable to disse plut and generally behaved well might recover or facilities entit for glens to a reliable to the reliable to the set attendants together when power below as in that excess the an mile would be more than the set of the set o calculate how long it would take to collect them

L eu enant-Colonel R Blundel 3 d Has a s

The comm ssar at resource book f carefully kept would show the amount of transport a a lable. The commissar at should all of turnsh estamates of the time required to collect it

L ontonant-Colonel R S Cl land 9 h Lancers

By tak ng a cens s of each horse camel mule cart, &c after the French system It a prolable that the civil officers have at least an approxumte

L sutenant Co and Le & R D Kerr Commanding 10th Hussars knowledge of this defaul if not a process a milar in nature to tle tak mg a census of population a oud afford a tolerably accurate idea in e ch district the some obtained the district of construction under the district of the some obtained the district of forms would reflored much disfinally keep up a fairly now rette knowledge of the increase and decrease of cattle nules caused earls & a tuthen it or respective boundaries.

Tables showing there string to an an approved form should be kept by each tabellar and copes thereof sont and regular stated periods to be entered into a similar book in possession of the officer in charge of the dust not who would fin a sl from time to time a seturn of all av dable carrings in his district to the gove nor of the province for information of Government. If in the neighbourhood of a

unser on to the given more time province our information on a toperameter. If in the neighborhood of a mintrary dirt of as in his national on we do be by to as placed to the officer commanding that of year on men of carriage, the phree of re dones o ld be recorded and the time required for one end that one of the carriage would be eather but by the distinctor from the milt bury without new just that they are gut that the nature of amploys and of the ear args so whether used for local transport or for conveying produce to and from d stant pa ts

Louise ant Coonel J C. Le Quesne 12 h Hoysl Loncors L sutenent-Co encl G Luck Commonding 15 h Huest s

By compar son Visit several villages endeavour to number their population and their cattle on this strike an average There ought to be no difficulty in getting this information. The e vil author tes if worth anything o glit surely to know the cap bil

Majer J W Chap in 8th Hus

....

stres of their own particular dist ets Ti s unformation could easily be collected by the collector of cach district

Quetam. I. S. Mackens e, 9th Lauciri

I would suggest that all owners of earls ho ses bulled a &c in each district be registered storing the number of carts and anim is belonging to each man whether for his continuous the record to be checked q arterly un! all alterations of morease and decrease at tel To estamate the time it ould take to collect I would suggest afte it o register seem; led to assemble ton a given day and note the result

Com 1 J A Raddell I 2ath Reg ment.

By means of period cal returns to off cer command ag from the chief e il anti er tes. The e vil authorities can g ve all this information. In commun cation

Le utenant Colonel T Ro land Commanding I 5th Fasiliers L sutemant-Co quel M MacGre, or ? 18th Post.

with them transport officers sho ld keep up a transport map show ug what each village can spa e in the w y of can ago By making the er loffcers in charge of districts send in period al reports of the amount of transport a a falle fo have of purel ase the their districts and of the time estimated to be equired to collect t and lold ug then responsible that the numbe s retu el are fo theoming

L entenant-Colonel A Templemen Commanding 1 21st Pus I era

when required

By charging collectors imagistrates or other evil servants with an acer rate reg stration the cof pe od cally a the r districts

Lacutement Colonel J S Hand communiting 44th R gunent.

As poviled for mans er to question 8 ve sted by the evil offer spec ally of the district

Les enant Coon C B Knowl s Commanding 6 t Reg ment

Consider the information in glat be obtained by the re-enue depart Through the comme surest and coval a thoutes unless a regular

Lan count-C lond G H Pa Ler 9 nd H g iln ders Majo P Stephen 4th Battal on all Brygade,

transport sers ce was organ zed til n through that lepartment By a system of monthly reports from the collectors of each district stating the amount of trinsport and lable and the time to could take to collect it at the head-quarters of the brigode or d atrict.

Majo F S Terry 1st Britalion Soth Lung a Own Borderers

I would recommend that the cav I officers of d strets should obtain the informat on and furnish the same to divisional and district general officers as well as to Government

From the every sixt on the officer should obtain and talking the that ratio maken I el concerne i ell exer p toon of the country having

been appropriated I some stat on

The contrast at the union of the transport to know the form of an frame cone all officers of days one. The comme can the preferent it eff oull offer the same a formation but me ald to a ould be its a a source of spee of mio mort on a the treet through its con tractors wh hinced only be com exted to the quarter ma ter general of the many

The latter return could be used cather as a check to the other or as an additional re ource is times of eme gency

Major Hugh P Pearson 19th Feet

This would be the dity of the sense true port office of each command assisted by the end authorities of the dit of Nothing would be ense than to establish a simple system of new start on fire every cunsel breitery made pany or offer me as of true pot Te owners malible great a very small refer me as for the return for the they should be at timeselves to I se the cattle or can age to Go ern ment when required francourt off ers of command to id at fy themselves by tours of as int on that the ern of for their the re-

tunnagiee had I nill stort on g linfrodto.
The estant on of the time to collect only giansport of llen very sample problem when the uncount of earns g and it locality a cro

recorded.

I exercit suggestions we aless the mag tales or culture in M per J E Campbel Sind Reg ment oberge of the dair els are required to furnish the information

Majo J D Drien Laune Stih Reg m at.

Answered a No S

Maj r W H. J Clale 72nd E ghlaudere

The knowledge of the ruse at of transport are lable for here and purebse vilum eah disser un det thould le poured by the head tru spot office of the dat et o d won as ded by the e l departmen t

The whole of the farmate collected on the head should be mile Indisof the principal is a spot off a Lie time est and to collect at sho hi also be eport I to the office

Co tel C R O Pwn Com m nd g Royal A thery Metrut D son

Surely the horiedge son recolines off of the garter master generals deputa entitue, he title co airy if not tishe ld be speedily put the e

Mage Berie Heb t u & M7 ta Secre a to H s Grace the Go ernor or Madras

Agene all no ledge of the max m m and t of tra cort of all so to a table for he me he li l nor hi loo liry muches could be obtained through the e e e e a cafteer linh to ere opened and manual alors of maney and see e es of the ent and crittle orners and they ear I col to reget z the a to k at sier could be go en by t e ofh et of the time of rel to collect the

eart ago f on employment it amy green is east or if d den die prob like me report or with the appropriate the support of the support of the support modes one could be eath intend by the unel of the ultery lastment of contact Thomas the register to content may be sent in the long state of the Google pre-cell is for some yours been also deep a state of the content may be supported by the content may be supported the conty. Her my snow generally tant, no nito mpe smont o o to a selective to lord le the sonce the dish he being more or less ponomeel according to the time of year and the sore altiral the serve the disk better more or been promounced according to the time of yet in the new electron and every neg operators a character besidered: It has one, as in an intil 1 cold living in legions mention and time the difficult to get exist or new to in a children yet. It has always me as for short that were valuely present to most according to go one whole time and linguished maps was a for short that were valuely present to most according to go one whole time and linguished maps were a for short that were valuely present time to move the important of the commission of the commis B to en the the enrange required has been of the ed effect by so t et o my c ent tiere o him t imposed on the rates of lare to be demanded by the o sessof e its or lath and matres (mid liem n 1 to in large for its base all the e ris under their control by means of ad ances or offer wase and to loom the cultuitie ties uply)

wase and to lam the call rattle the upply)

The present state of the gas the per dense; of the set of in all eatherded memo which has been a fill the sensels, a ggodel. The rain is the sensels a ggodel. The rain is the sensels are reported to be though sensels as the context conjugate to the range of the sensels and in the sensels are the sensels and the sensels are the sensels and the sensels are the sensels and the sensels are the sensels and the sensels are the sensels and the sensels are the sensels are the sensels and the sensels are the sensels and the sensels are the sensels a communication on the subject by the military dipartment u thather I population is to be represented

APPENDIX C

Extract from the Proceedings of the Government of Madras in the Revenue Department,- Vo 538, dated 1th March 1879

Read the following -

Dated Madras, 21th February 1879

Memorandum by the Military Secretary to His Grace the Governor of Madris

The following memorandum by His Gree the Governor is forwarded to the Secretary to Govern ment, Revenue Department for communication to the Board of Revenue, with a request that the reports, as therein suggested, should be called for

Memorandum by His Grace the Governor of Madras

Cart line for troops on the much is costly to Government, and a heavy burthen to those

whose carts are taken for long distances

whose cares are uncertaint one minuteses.

2. Some enquiries. I have essailly made lead me to think that the long distances to which they are taken is one of the main causes of distillate to the trisk and of caressiae charge, and that is not to be wondered at when it is re-ollested, to instance, that carts engaged at Archinopoly, are hable to be taken to Secundershad It would be much the same as taking a Sussex cart to Aberdeen or Inverness

8 It is not possible that if onts were more tallow (except in cases of absolute necessity) is could the first value of the adjourning distinct or territory (orthout the full und milling consent of the ormon), and the rise of his or and metar sate for fielder were find perceivally) by the renume officers for either a year or an another, the religious distinct to the carts bong takin would be very made of oversame by needed by a notation statistically rise being fived used absolute made of the country of the religious of the first march, or (in case of passing energical) 23 miles, and has no man in deputed of the suce of its number of more them.

possing canegory) for interest and was been an acquired to the use of its industry of not the more than a day synemy from loss the Legislature are fixed a quarter seasors where impacted in from all parts of a country more. Probably, the nevest approach to thus in the previously would be the obtaining of each full, agreeing. Why could not such a system be induced have? Would that be not not to be just?

6 According to military regulations, the collectors are only to be called upon to obtain carriage either by contract or, fuling that by impressment, when the regulated authorities and the commissions.

sarret are unable to procure what is necessary.

The relies for the grid-unce of collectors whose impressment is resorted to, are laid down in standing orders of the Board of Roseano, but they contain no limit as to the lates of line to be

Such a lumit is, herever, had down by Act of Parliament for Greet Britain, boing a named rate of minings freed animally by the Mining Act to which a further rate is ideal both conceivage, specific sum which is fixed by the pastice at general existence at the named visions, a machine discuss of urner with price of forage at the named state of the second of the Act of the A

9. In determining rates for the districts of the presidency, both the milesge and the varying forage or gains rate, the circumstances of each district must is now or kired be kept in view. The rates might be laid down for the routes commonly used by troops both outwards and inwards from the point of departure recording to the set of the ordinary enrying truffle. The further compensation should be given if a cart is tall an boy and the limit of the agreement over the border of the district or

can presonancy control of the rates should be percolarlly published in the distinct genetics. Such noblishing may probably facilitate the midstry subbortice colorange curvage with at the interesting of the collector, as it will then be known that there is no rapped from the fined rates, with a converse may be reduct to make a pile on these forms. In default of said voluntary luring, it could be necessary to fall thuc, on the cellector's appeared or dark whosh resurces to the publicary list in

England 11 11 The obligation in the matter recepted by the general public at home is provided for in clauses 68, 69, 70, 71 of the Mating Act, which we annexed It seems to me possible that similar obliga-

tions may fauly be imposed here

12 It is desired that the Board of Resenue be moved to call upon collectors to report whether such arrangement might not lessen the meantenance to the 13 of sensed by the necessary use of their earts, and whether it might not, in fact, render them ready more charafully to assist the marches of troops The reports to be submitted to Government with the Board's remarks

Order thereon by the Government of Madras

Ordered, that the above papers be forwarded to the Board of Revenue for consideration and report

Major W. W Murdock Com osolng LA lojai Horso Artifler

By pressing a law making at necessary for even one I comme a cart or ammals to register them in their own villages. The headman of a vallage might produce his regreter or give in the necessary information once a year to the takest or distinct authorities

The time it would take to collect might be approximately given by the erril rathorates I should say.

Major T M Harringe Com mand ag E 3cd Royal Art iler,

By keeping up a careful register, and having a quarterly muster at certain places in each district

Major the Hon'ble A. Showart Communication 1 C. Royal Hores Art flury

Through the assistance of the district transport officer and evil officer, who should keep registers

Major C E Name Rejal Borst Attilery Mayor P PiteG Gallwey Reval

ArtiBurg

I freely the enal officers already sent in returns of their districts which give the information required, if not they might be asked to do so they could easily a certain. See answer 19 also

Major W H Nable Royal Arthi

By having for one army corps in the Punjah and one division in Midre and Bombor sufficient permanent trasport officers to give one per brigade on mobilization stationed in the districts. Camps of exererse would afford them excellent means of practice This could be done by district supermitendents in communication

with departmental and civil authorities A complete regreter should be kept in each district

Capta o G. C. Berly, 13-8th Royal Artellery

To every two or three divisions and districts of the way I would Royal Artillets

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expense one investigation question. The second of consumers are than an order the constity as given to thin, and by personal observation is well as by questioning ascentians as it as resources were like clouds be at his ext to make with other enquiries from early to well as multistry enthusiates, we also from mul-viaturits, as the case neight require. He absoluted not be alled upon to make furquent reports, but should

send in one occasionally-say once in six months or o

There should be an officer at army head pertions specially changed with the daty of examining and digesting these reports. As soon as one of these suspectors had completely examinal one district, he should be called on to send in a full report of its resources -how and in what time they could be best utilized &c. After doing one district be should be sent to another, where with the as active. out unique as a reports, he might supplement his pre-kessours deficiences and correct his mat-takes. Unink that if this system were carried out throughly for a few years the resource of the country would be very well haven, but the militation recorded cheed be very carriedly disjected, so as to give the maximum of useful knowledge in the minimum space

Colonel O Walkinson 2nd Bengal

Excepting through the civil authorites, I do not know how a thorough | nowledge of each division or district expribilities could be obimmet

Calend W Gong 12th Breenl Ca obs Communicati

Orale supernitardants of transport also be an estimation - the the earl rathonias be thoroughly acquainted with the curringes supply and resonnces of the districts within their circle registers and rolls should be kept, and constant inspections made for acriticition

Copia a M G Gerard 2nd Central lodus Home

By appointing organizatal officers under orders of the commandant of the nearest datasson transport train, giving trivelling allowances to a three months tour in winter season. Garagh districts, to inspect and register animals

Most of this could be most advantageously confided to rehable Native officers

Br gul er General C J Galley Commonts g Pargal Front er horse

Tide Colonei Nicholetts' memorandum * this should be furnished through the divisional transport officer

Colonel T G Leanedy 2nd P m

The district officer only our supply this information

Job Cavalor I think it would be well to its and make the supply of ermels at all events less of a hardship than it undoubtedly is, if it e much is made

actually popular among towners. They are, as far as I how the only means in his who are established and in consideration of this they should I think he better treated than they are I believe the unparity of owners keep their camels for hire and not for their own tride purposes If this is so, sufficient inducements should prove ritractive and I think if the following terms would induce our ers to register their mines in their districts as willing to supply so many extude on

demand that Government would still be a gamer A remission of all their tells taxes or other daties they may be halle to Besides the fixed hire for their comils, free rations for them-ches, free jum and green folder

or bloo a when grazing is manificient Harm clothing for themselves and their camels if necessary

And cump equipage for it them

In return for which they should bear the loss by doubl of any of hear camels so us to ensure their continued care for them, compensation only being allowed for camels killed or disabled by the enemy

(1102)

L cutman Colonel C LaTanche, Commandant Posen Horse

This branching chieval is deduced in the exhibits in elegand in their value of the times value in the state of the control of the very likely. The common of corrage a valid by a valid probably by a very likely and the control of corrage a valid by a valid probably by a very likely and the control of the c

Licent, part Colonel J II P Malrolmson Commanding 3rd Smil Herec My proposal m asswer 7 (a) world give some portion of this knowledge and if this were simplemented by a last lept by the end office of cuth it that the out, it is Furoperm will Matrix a shorthestey, correct and checked at an extra times, I thank the arrangement would furnish the required information

Major A P Falmer, Sth Bengal

By a regreter of all available briggings amonds and riteritants in each distinct long preprincibly greeds supermissions of far appels, also would familiable find electra of distincts of the states at the information as would carable the officer community, and states at the information as would carable the officer communities, for requestion the local circle authorities to the extent known to be "mailible at the values reasons of the just and the values reasons of the just and the states of the excession of the just and the states of the properties Calorel J Doran Commanding 19th Fu gib Aut to Infanter Colonel H S Oblard Command aus alet Antire I if in tra

Through the cord officers of the division or district, and by periodical collections of the different animals

Colonel F Dradesdge Consumed ing 40th Trains Infantes By having district regiments and maling the British officers responsible for such knowledge. If no velocitization for all officers or the quarton master generals adequation.

The collector of each district could keep a register of such currane

Colonel G W France 39th Rate clufantry

as would be available on an emergency

By instituting a system of registering and numbering or mailing all minusis or tehicles throughout the country that would be available for transport sorree in the earth of war

These registers should be prepared originally by the evil enthorates and to the office of the feminant deprotation stricked to the staff of the general officer communing the day on our distinct gaveg the owners of all animates as the deer a registered a small settings for the same there here a wathlie and in good condition whences there are stepared. All assumds mit exhibits should be unpeated paradhability, or one or a month that both in the original day for other three paradhability, or one or a month that should have an greate other by an officer of the trusports degretanced of the division or distinct in which it was statemed.

L calemant Colonel II Worsley, Communding 7th Active Infanty By tepstrator, through the police and only officers, as suggested in masses 8. All numeric and carriage should be hable to impressment by Government at fixed rates unless exampted by favation

If a man values a horse or a sensel at more than the Government rates let him may a small tay for exemption. This would involve no great hardship, as the (ax would full chiefly on the rech

Locatevant Colonel R J Walker Countsandant 17th Aut o L fa try

He even a otherwise cought to be able to farmsh this information, it would be very difficult for the military to do so

I sutcaref G lond R f Regers 20th Pa yab Native Infantry Licenseal Colonel F B Nations

By invising on the quarter master general's department maling and keeping themselves acquiunted with it.

Others of the commission of this in communication with the

Comman h g 24th Punjab Kali n Inf ulty Confidence of the desirence of the desir

Lettmant-Colmel H %, G Lucker 41st Native Infa (c) late 5 per oles fa t, Transport Tram 41st Native Infantry

Since dither of these off error would be to never in from the direct collection of airthui arthropisms on the expositions of teach shrifted to furnish everage stating of what descention, appearantle sambles, and what the it me it would take to oblect. He has in most of obtaining it whether by here of produce the has in two country, and whether it was specificary appearant for amortis, for, and a rest one through the country, and whether it was specificary the state of the same they are the produce of the object of tuping him will informed to every feet and my and every change that may the pince we here you must for restriction to see the product in the pince we have greatly and will always the product of the product in the pince was considered and the fine state of the second of the position of the product of the construction of oft, and may other all he cannot able of same cure great greatly and in the product of the Purph the whole of the Purph and it may. He suggests from the different collations and other statements are the second of the Purph the whole of the Purph all in they. He suggests from the different collations and other statements are the second of the purph the whole of the Purph all in they. He suggests from the different collations and other statements are the second of the purph and the product from the different collations and other statements.

d sir et office a will for varid them to the director with any remark, or regressions they deem individual. The director and the make out in full report and larve the intellining parablet form for the inform ation of the qualic master general and to call all as leavel able book for reference at any moment

իոյ SBP Brossh ու քն հ Nat Inf ուր

Offices commanding stations to it communicate with the cellec to or other clefe and cess of the relative and could go them recurse allowant as on all the points request for feel hister agang and only a distribution of the sake of an formative 1 could aggest the simpt-

and to contain Il that a new Air rg is just be more that the first of the first red to lead to contain Il that a new Air rg is just by inter-the the first plant should be ret red to lea for re son allerate and ease on the new eary. The deputy a submit q a to maste gene I of ca h d as on sie I collect and tabulate all the informatio gained and send on es of it to the Quate I sten General's Off ee t S mila

Me oal of car age a a table the

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8	AE4	Kal a s							

(Sg at re of c loface)

M a A C W Creekshank Com manding Sond P nor

Comes wreat officers slould be more closely under general office a than they now us as alt ough this s atended the unot be en med mto preter unt l'emeral officers a a gren as mod control o o tho department n'emicoments as il 3 4 0 a (lo feld Tina stuate) t

implements demandments and ye is the feath of the child command with officer to keep the general min met on the short of every give. He roublists a drawe of all the Governments ceiths and met the general so der a range der is if I complement. He roublists the the section has not a few or jugges, and it as let in tied a ceal-knowledge cesty get the optical ceits of earlier and a sea as it has been the things of a subject to the complements of the a list they will produce and all this old be summarized and ecorded so as to eable a ge eral to provide suferm tien to Gove mment on this point by return time or to act on at I medif

L n C on JT How I Com mand ng 2nd Sakli Infon ng

By nal ng t compulso y nder evere penaltes for all owner cart males ad camels to registe the a in sul collecto sites (tal al) a district og ste compled fom these being kept nile district offees she wag dis ance from I and quarte s and probable time of collect on

I utement Co nel F T Bun b dg 4 h 5 khs

The circle and a conditionsport offects she lit make a tile reduty while a stance of technilor tes to be perfectly acquired if the second of lithe albier gold for ire and precious a tipus call best could be tested to the second second best could be to the second se

the to collect tat any g en point

A O F 1t Slb Tel n n

Obt with all onledge on the from d tret officers and ma e tien register an Irac o Apo to offerer to cheed and travel to the person punishers to Only the offere must be Il ges and know all the bradme. He could be in the transpote corps

Coul & Jehn Command

I would a goest that the commerce at effects of distinct. So she likely a thing the required information as to the a a lable transport metter dist ets

ComitWAG Commidant the Madra Na offuri

I slo M il ak the collectors of districts could do this with care in a very short time

Co 19, F1 d Command

It slould be one of the impo tant dites of the comm sar time transpot of r to m le k n If requirated with the rimo at of trans jort a table for live or purch e al salate et aul to submit ji mod eal no is on the s bject to the head of his department

Cel W Banh man 4 h Bom bay Rul s

Ct il others could give this information

(1102)

I e travat Colonel C LaTouche, Commardant Porns Horse

This Promietge should be obtained by the cultimatin charge of the tracks, but on their from sould hold, to the inventibility (five segmentation) of the victorial probably be a victorial probably be a victorial probably be a victorial quantity, but fill a majoration the sea may obtain the research a common of the country, so far as east and bulleds not make the probably be a victorial probably be a victorial probably be a victorial probably be a victorial probably and the country, so far as east and bulleds not be a victorial probably the control of the country and the country and the probably the

Lieutenant-Colonel I E P Malcolmson Comressiding 3rd Sted Horse

My propord in most of 7 (a) would give some portion of this knot ledge, and if this was supplemented by a list kept by the cutd office of each dain of the length had unpermanal Native supplementate sources at and elected at uncertain times, I think the management weld formula the required information.

By a register of all available briggings nameds and attendants in each

Major & P. Palmer, 9th Bengal Catalog

dusties being propured by eards expensionated outs of tempors, who will farment add officers of diversions, districts and statues rains an information as would easily the diversion of the continuous as would easily the officer communities to requestion the local end authorities to the extent Laovent to be "scattable at the variest scanous of the year."

Colonel J Doran Communiting 27th Punyab hattre Infantry Colonel H S. Obbard Command aut 41st Native Infantry Through the civil officers of the division or distinct, and by penedical collections of the different animals

Colonel F Danils dge Comeand ing 40th Native Infantry

By leving distinct regiments and maling the British officers respecbble for such into blogo. It is weless fursing to evil officers or the quarter master generals adoption the The collector of each distinct could keep a register of such carriage

Colouel G W Iraser, 29th Native lufantry as would be available on an emergency

By instituting a system of registering and numbering or northing
all animals of refueles throughout the country that would be available

for the expect service in the electric of wa. These registers should be prepared originally by the civil antiforties, and send to the office of the frame part department streams to this stiff of the general office commanding the division of district, group the owners of all annuals or velocities as registered 's small returning feet to ensure their being available and im good conditions themselves there experted. All namels and velocities should be inspected periodically, say once a month, but not always on a green civil, by an officer of the in suppet deprulement of the division of officiar of the the impost deprulement of the division of officiar the first.

I sectement-Colonel H Worsley, Commanding 7th Native Infantry It was stationed

By registration, through the police and civil officers, as suggested in masser 5. All numbers of entrage should be hable to impressent by Government at fixed rates, suless exempted by treation

If a min values a horse or a camel at more than the Government rates, let him pay a small tax for exemption. This would involve no great hardship as the tax would full chiefly on the sich

Lectionant Colonel R J Wall or Commandant 17th Antire Infantry I enterant Colonel R. G Rogers The enril and orders ought to be able to formsh this information, it would be very difficult for the military to do so

By massing on the quarter master general's department making

20th Put jab Autre Infantry

L outcount Colonell' B Acrusa
Commanding 24th Punjab Antive
Infantry

and I coming themselves acquainted with it

Officers of the commissariat can do this in communication with the
eval authorities of the districts

Loutemant Colonel H St G Tacker dist N t w lafe try late Super tradeat, Transport From dist Natase Infantry

In a former answer I have proposed that four supernaturalesis of transport should be hypothed to the different provinces, such as one for Bengal, one for the North West, one for the Pumpab and one for Assan The drives of these officers would be to asset ann from the different collection of districts information as to the emblithic of each district,

The drives of these electrs would be to assertant from the catheren of distrates information and the expublicate of each distrate, the collect the best manus of obturning it whether his plur or by puritives, the resources of the country and whether it is a good graming distract for summing, but and the time it useful careetry, Lepung him well informed of very hat all my and every drugs that my take plane is their prevance. For mistrace, it is superinformed of the Singal province could make his best quirters as whitever sixton he thus, if must central or best drivingle for his work, and in the collecting every mountain needed, and aspecting will have not their his objection courings until exping the director informed as to his movements. The superintesient of the North West decided here outline and Bandell and this unter his deriver and the superintesient of the Fungst the whole of the Pungsb and Ponther. The superintesient of Assent the value of the Pungsb the whole of the Pungsb and Ponther. The superintesized of different collectors and other Collectors and other collectors and other collectors.

district officers will forward them to the director with any remarks or sugge those they deem will reable. The director with the marks out a full report will have a printed in a primplate form for the information of the question master general, and it would always be a reliable book for reference at my moment

Major SrBP Bromberd 40th Native Infa iry

Officers commanding stations should communicate with the collectors, or other chaef cut officers of their of stack; who could give them covered unfortune on all the posts required. To freshiste inquiry and reply and for the sike of uniformity, I, would suggest the submitting to them of a form to be filled up. I give one obbal uppers, simple,

and to contain all that is necessary. At regular quarters have been taken upper sample, and to contain all that is necessary. At regular quarters have a few fill it is found in such that is necessary. At regular quarters makes, the fill it is one should be returned to them for reaction, where the content of the district and contains a fill of the same and operated in the fill of the same and operate it to the Gaustie Marker General's Office at Smalls.

success was by current accurate in eac							(Station)		
3/0	D 1 10	ANOUNT PROCESSED AN			Usual rates of monthly	COULD ANY BE I'VE CHASED		Remites.	
	Description of Cornege	Il ree days notice	A week s	Amonth s notice	Dance & Cha	How mapy	At bout what price	ł.,	
1	WHIRELED 4 Bullock carts CARRIAGE 2 Bullock carts (Elephonts								

(S guature of oil l'osson)

Mayor i C W Crockshauk Com mending Sind Pieucers

May Kahaw

Pact ANT Mules
Mals
Pours
Prel bullsoles

Commessariat officers should be more closely under general officers than they non are, as although this is intended, it extinct be carried into practice until general officers are given as much control over the department in contomnents as they are in the field. Thus sturtled it

experiments in entonments as they are in the sent a mass source in market of the peneral information the sulprice of variety the failty of the delict consumers which there have been general the general orders; image for its fail in subjects in 18 would make it his between 61 how of eacy linguage animal that earth in the district,—I morbidge cettly gast through the cell authorities and his sussiants is the would know how will be known for resources of the district on its tropped, and what they will produce, and if this would be summarized and recorded so as to crabble a general to provide information to Government on this post by tellum mayor, 60 one at himself.

I entens et Colonel J I Perwell Consumulu g 2nil bil la Infantry By making it compulsory under sovere penalties for all owners of cris, mules and comed to register thom in sait collectories (takely), a distinct register computed from the o being kept in the chainel offices, showing distance from bend quartiess and probable time of collection

I se terrori Colonel I' T Dan brodge 4th Sakks The eards or densional transport officers should make it their dity, with it is as strace of the exil authorities, to be particulty acquisited with the resources of all the vivilible currings both for time and pinches in the several destrets of their eardes, and also how long it would take to collect it at any given point

M per A Q Rose Ist Sib

Obtain this I nowledge questly from district officers and into them register as in France. Appears officer to check and trivial about as pension paymenters do. Only this officer must text villages and know all the headmen. He could be in the transport comps.

Colonel A Joskons Commund and all Madras Lat a Infastry I would suggest that the commission is to the available transport in their districts

Colo el W. A. G. b. Communicat 24sla Madras Notase Infantr I should that the collectors of districts could do this with case in a very short time

Colonel & Florender Commont ung 21 d Bombor Vatire I fonatj It should be one of the important duties of the commissarral and transport office to each abmosed sequented with the amount of transport in while for here or purchase in his district, and to submit periodical reports on the eath of to the head of his department.

Colonel W. Haumerman. 4th Boza. bay Ruftes Coul efficers could gave this information

Colonel H. H. James Commandi une 10th Bombay Nature Infantite.

Colonel J Fairbrother, Com

Colonta J I Willes Com-missure General Bengal.

This could only be done in communication with the civil authorities of each district I don't see how multiary officers are to obtain the information independently

I know of no means except to make the district civil offices canfully collect and report the required information

I cannot suggest any releable plan After all my experience I am firmly convinced that such information can never be obtained. The anny our make the most in more more than ever to coronal The to the collectors and other are not prepared on reliable data. Supposing they are, is it resumited suppose that everage as time of prepared on reliable data. Supposing they are, is it resumited suppose that everage as time of prepared on the first before a trial to remain a time of the collections of the most of very? Does not ear embra know the trials that owners resert to, even to around being sent with a regiment in ordinary relet? amove the trans that others reserve, were to avoid only seek and a regiment in outling year? In time of war on near would absend, supure their bollocks, destroy their casts, so all they could, in fact, to avoid the orthernely supplement duty. I would instruce a case that occurred some few years much when I reported the growing searchy of camels all over the North Western Provinces. My report went to that Government, and in course of time in attempt was made to refute my statement and it was stated there was a mon within a few miles of Agri ready and rilling to supply 20 000 and it was stilled there has a most means are times or age, it steps out a country or supply a country carefully, a month's nother I asked for the mus a must, as it has not given In times it was communicated to use, and he was found to be a man who had been discharged from the department of the should be a standard country in a month! Such is a sample of information wealthy faminable of the resources of a distinct. There was a time however, sample to information assenty immediates to the representation of the district of the product of 1876-77, I was told that the Government looked to me to keep up the camel establishment and supply of camels, which was first being enhancied owing to the rath-are levening indirectly coased the deriving by carrying what the camels formerly did. The late Vicency Lord Northbrook, whilst on one by certifying value to elected intuitive that the new vectory hour returnings, takes on one consent discussing the subject of ceresse of entance and the case, shouther this could make be recall for the rulery's ecurying all the merchander that cancel formerly curred. It was munch that offerwards I wrote my letter retent to, and received the epid, quarted. The Got entanced thengod its retorm meanwhile, but my opinion as to decrease was provide only too know turning the late is a

Colonel R A Moore Acting Commissary General Madran

This information should be furnished by the civil authorities, and might be included in the agricultural statistics prepared by collectors for the information of Government This information could only be obtained through the civil or political officers of the several districts, and or on then it is your doubtful if

Lecutement Colonel M. W Willoughby Acting Commissory General, Bombay

General, Ecultury twould be thereoffe. Reports of the rature has a trans been called by according to the return has a trans been called by according commission of the country but their accuracy, if subjected to the actual last of tirel, as meeting, as the transport of the country shifts from pirce to piace in accordance with the season and demand, for its use, and a booled trunsport shifts from price to piace in concentrate that has search near transfer has transfer in the many and builded in a certains ensure us very largely engaged as agreed land operation. Stritements both as to extens of transport obtainable and tame within a lack if can be collected, on the last procurate at the best. The curl and political withormiss benefit he called on to recentrate the copylitates of their districts, and report to the general officers at fixed centres, and they should correct their reports once every five years

Colonel T H Sibley Deputy Commissery General Bengal

In the Pumpab complete lasts of the resources have, I believe, been prepared in Mulitary Secretary's Office, and such statements should be in every district office, so that the responsibility of each village to furnish till quota should be fixed by authority

Colonel M J Brander Office along Deputy Commissury Gen eral, Calentin.

The statistics on this subject are, or should be, in every commis-smeat office in the Bengal presidency obtained from the circl offices of the several distincts But as what may be accurate one year as to number of carts camels, mules, builtocks, bettere, &c, may not be so a you or two lates, I consider that every year a fresh report on this head should be obtained from district officers

Colonel J Keer Deputy Com missary General Lower Circle, Bengal

This information can only be obtained through the deputy com-missioner or collector of the district, and he can only give it approximately But, unless impressment is ordered, it is impossible to say how much would be available on the outbreak of war probable none. It would be impossible to ascertain the number for sale, but high prices will generally tempt owners to sell I don't think it possible to ascertain the time it would take to collect it. The sistem of hiring a certain number of carts samels, &c, in the Government service, as proposed in asset to question No 1 of this pupe, would reader a seriam quantity of carriege always as ulable within abore 25 days.

Col G S Machena Dy Comy Geal lain na Comst change of the Klayber and Kurma Porces

notice

Every commissarest officer in charge of a district keeps a "book of resources," and has the required information in his office

Colonel R Q Maintening Deputy Assistant General, Kamptee

I have seen a return sent m by a deputy commissioner showing the number and quantity of carriage available in each allage. The time taken to collect it would greatly depend upon the distance it had to Lorniemani Colonel J V II not Deporty Assistant Commissary General, Bengal Procedure commerciant officers are required to obtain this information as regards carrings for here from the civil officers of the distinct and to record it. The same steps can be taken in regard to baggage countils purch-sable

Major W. Luki ardi. Deputy Assistant. Commissary General, Umbalia It would be the duty of the officers permanently approach to the trangent department to make themselves thereughly expunsivel with the reasures of this distrete under these direction, and if not engaged with the truning of the regimental officers and men, they chould be employed to collect and reconst all information relative to the amount and description of transport variable, &c.

Captain T F Hobday Deputy Ass stant Commissary General Kandabar This evi only be done by evil officers. Commissional officers are now to ted to the dest, that it is quite impossible for them to got leave or trived cloud the dustriet they eve inform information from their leaves substituted by the interest of the control of the conform dustriet officers and as the collection of transport would rest wight the cut il unbantiety, this part the leave antique to these matters.

J R B Hollen Evy General Superintendent House Breeding Operations The director and assistant directors of the trumport trum would, so operating with district officers, obtain this information.

16 Could not a system of regunerated transport be substituted with advantage for the present moveable column system?

Lessierunt-Geseral Ser D M Stewart E C.n Cammanda g Southern Afghan stou Pield Porce, The regimental transport system is mutable and necessary in some case of on the Parupt formation that would be writted and extranagental papells to the entry generally. It would, however, be obtained in the proper of the transport cities and the charges of these or more mint. By plean, the respond duty on the temps, eithers and more would have acceptance on the contract of the case and feeding of existic, and the expresses these gaused in peace would be of maximable value on service.

Les tenant General C T Cham berla 0 t late Communicieng Guilh Division

Yes It could be unbroduced as the thin end of the wedge of a new transport system, but when toops more suddenly, the currings of one regiment would have to be lead to complete the carriage of that under orders, as sufficient could not be Lept up (without cutra expanse) for all

Lastemat-General W T Hagl es an Communicae S thank D + non L salamat-Central J Probes Command of Mison Decreases. The system suggested in my answer to question No 7 would be a substitute for that of move-ble column.

I conside that a system of regumental transport should be combined with, not substituted for, the present increable column apricas.

Major Gracial & W. Mac nitre c.n. Learnand og Hyderahod Sab a disty Porto The regimental system would tend to him the use of the transport to shirefly regimental purposes, whereas under the present system the whole may be applied to the use of the force in general

Major General R.O. Reght, On Command of Meerat Divis on In all frentier districts near the hills it might, I think, with advantage, provided the cruringe was entirely made. Wene camels comployed, they would have to go long districts for groung, and would not be more quickly precurable than by the present contract system.

Major General H. R. Browse Comme d ng Sauger Durinet No. I do not think so I am no advocate for regimental transport. The cost would not be lessened, for the same amount of transport must be nauntained.

The transport would cease to be generally available, and there would be merreed difficulties in its mentionine and substitution. I am ver, doubtful of the educative of musul-uning transport at all for moveable columns, with the single exception of elephants, which can not be larred.

Major General J. W. Seline for the Common is g Northern Dr. on Bombry Army Lince cheady expressed on opinion that the reasons for moreable columns as longer exist in this presidency. The completion of the Serie railway to Newscentrol in 1850 would seem to me to retailer their maintenance with crimage still more monecessary. I do not see the object now of a system, or reguested transport, except for frontier

Brign ber General (* Barrens Quarter-Master General, Bombs) forces, where twops we hild to be called out it a moment's notice

No the present system of field columns provides for only a very
small force as each station

Brigid er-General P G Kimp ster, Communiting Ceded Districts Brigadier General T J Morroy on Moniton Brigade, Yes, but to be under trusport supervision

Yes, as in the Punjub force, where actually required, but a small regimental nucleus would, m my opinion, be sufficient for general adoption (1106)

Colonel J A Tyffer an ve, Commanding ith Goorkhas

Colonel H K Burne on Se tary to Government of India Mile tary Department

Centrum, in single corps stations, where every regument should have its transport leads to hand. In large stations I think the moreable column system would answer. It would be chapter, I should think

Containly, the system of regimental curringe has been found to answer admirably as shown in the experience of the recent operations with regard to regiments of the Punjab Dontier love It ensures the mobility of regiments and the proper care and custedy

of the mmula The loss of transport in the Puzzah force was magnificant as com-

pared with that amongst the bired and purchased animals But the question of the munitaming of regimental transport generally is one of cost, on which information is being prepared, and will doubtless be furnished to the Commission

Colonel J Macdonald Sourciary to Government, Bomboy, M by Den

Colonel A. H. Marrey Deputy Adjutent-General Royal Artiflery za India

No The carriage would be idle

Wes, I thank any system which ensures the regimental transport being in possession of corps with the for use and learning its functions is advantageous in the highest degree, as accustoming the corps to prepere in peace time for whit must be undertaken fotherwise under dis

advantages) in time of war Note in the beginning of a campaign, especially during the first few days in a young coips, how irksome and fromblecome us the transport mark the difference in a veteran corps accustomed to maching and campugning, and see the improvement after a month on all, and it must be apparent to the most sceptical how requisits is a change in the present system, and the establishment of one which will requeste the solthers to its use and prepare them for service

Colonel D Standen Assistant Adjutant General British Barmo Dermeen

I think that the present moreable column system, always pro aded that it be so organized as to be ready to move out for immediate service, is to be prekered to a system of purely regimental transport At the same time, transport in regiment I charge might be of advantage at small isolated stations where no moverble columns are ordered to be Lept np

Locaten mt-Colonel Å Hogg Dopety Quarter Master General Bombay

I do not than a system of regimental transport could be substituted with advantage for the present moveable column system

Transport in regimental clause could, of course, be whize to the movement of the regiment, but it would not be available equally with the fameworl transport for station work, or ordinary movement of treeps

I entement Colonel IL A. L tile Offe at 17 Deputy Assistant Quar-ter Master-General

The mer cable exhimat existence is applicable to certain stations only, not to all, and thuse more able columns, except at a very few stations, are no longer required. I do not think the regimental system of transport are suggested and the first the common of it would be questionable regressionable in the common of it would be questionable regressionable and more distances have more distances now than they can be expected attacking the composite out, and the transport would be regressed in name, only entuling a grant deal of extra trouble and superintendent on the regimental authorities without, I believe, my message in efficiency or may hip of mobilization. I have always found the commissaint department very prompt, manyellously so undeed in responding to cills for caurage at the shortest notice. This would be the case still more nore commissaint officers part of the general strift of the command, and under the direct orders of the general officer alone

Major A. A. A. Kadach. Deputy Assistant Quarter Vaster General

les, I have already recommended the adoption of a regumental system

Captain M J King Estraign Deputy Assistant Quarter Easter General

Most extensly it could, by means of an organization similar to what oblams in the Punyab Frontier Loree Blen with ponies or mules to be

entertained (enlisted) at the rate of-80 or 100 for each regiment, Butish infantry, earadiy, 50

, battery, wallery, 20 27 ,, regiment, Native infantry, 40

to be attached to and under the sole care of the regiments or batteries Also a proportion of camels

60 to each regiment, Butish infantry,

50 to ,, batters artiflety, regunent, Native infantry, 50 to

some of which would be trained to draught

These crimels would be in claring of the commissional department for feeding pay and work provided that they are regularly fold off to corps and brought in to be parallel and localed an imarched out at a m relung order parade once a mouth, so as to ensure their being duans efficient, as well as to practise men and animals in their regular work.

The pomes or in les should be all compared, exictly is bud down by the Simila Committee of 1878 79, a selected for being trained to harness. They should remain the property of the men,

1878 79, a selected too being trained to names. They comma tennan the property of the men, whomever this is possible and should be provided with gear, food rad water by the State. The men, should receive pay at the rate of Rs . a month range to Rs ?, one coloried man at Rs 10 being over all. One moches to every 40 amords (or under), to be increased to two on service.

One nalbund to each corps, mereased to two on service One driver to every two numbers

Each man to have one out of clothes youly, consisting of-

I long skn fed jumper, I pror tronsers,

beth of stout khaki dall, 1 tarban

1 pur putters, 1 leather cross-sword belt 1 pair shoes,

One leather cross sword belt and one short sword for each man to be kept in the regimental magnaine. In contouments the men and animals would do such regimental work as carrying puckals, grain for horses carrying away stable manure &c , &r , and would further be employed by the commis-

ement on station work as required

Four light carts for each regiment and two for meh hattery, which, with harness &c , adapted to mules or ponies, would be kept in charge of the commissionat, to be used as required for corrying baggage of station guards of small bodies of men moving by rail, &c and the conservancy nught be helped by the tubinsh curts being also drawn by these numbs, but they should be omiglious regularly once a week regimentally on a regular light marching order parade so as to a bust of others, men and animals learning their work, as well as seeing that every thing was in proper order

A certain number of animals would always earry puel also of the line of march
A regiment going on service would always take its powers or males with it by rail, maling up the full complement required from the large mule trains, or on requisition by the commissariat it or near the base of operations

Regiments marching in course of relief would take their mimals with them as port of their transport but when moving in rehef by trun, they would leave them behind, to be taken over by the

reheving regiment

On all marching order purades, a certain amount of ammunition would siways be curried so it will be necessary for each regiment to have in its care a fixed number of double slugs either if leather or gunna, as recommended by the Sunh Committee of 1879. Such slugs to form part of the regimental equipment

Mule laywahe for entremening tools medical afores and reference; stores &c, should also be with each regiment, as well as serviceable boxes for carriage of signifing stores

Of course, special rules would be required for certain strinous ou the north-entern fronter, Grahot, Builds, and others who is many places elephonic would be top in place of crime!

Bit I thind that this principle is sound and worthy of a first, subject, of course to a ich modifi ertions in numbers of a imals and earls as may seem fit, and would have the effect of reducing consi-

denibly the number of camels kept up by the commus-writ Leonomy in transport is hardly consistent with efficiency, but reductions can be made in other

depritments I o temat-Colonal R. Blandell, 3rd Huss-us

I thank it could, but I think it would be much more costly. If it o difficulty of expense could be got over, every regiment ought to have its

I retensat Colonel R S Clefond 7th L neers

Yes, I think a regimental system would be preferable. To do this, drivers and horses should be added to the present establishment.

L'enterant Colonel Lord R D Ecer Command : c 10th Hussari

I think not The more tile column system appears to be a good one in theory. The substitution for it of regimental transport would be an enormous expense to the public, entailing the establishment of yards for each regiment in places convenient to the lines, the erection of suitable limidings for

stiendants and supercisors, and other stems impossible to cummerate Unless the management of the transport remuned in the hands of the transport department, much expense would some ensue from regimental deviations from the ordinary pattern of geld introduced from theories of individual communders, either on plea of economy, util ti, or appearance. Whoseis such matters of detail would be best arranged generally by departmental committees.

I entenna Colo el J C Opesas 12tl Royal Laurera Les (as before said)

Lacutement-Colonel G Tuck Communiting Lott Hussans, Yes, and, as regards entally regiments, be for more efficient and less expensive than the present system—side memorialisms previously referred to

Wayer J W Chaples Stle Has

I think that moved le columns should rather be supplemente i with regimental transport instead of entirely doing man with them by this means they could be much reduced

Capta o J A S Macketz e 9th Lampers

Les with very great advantage a regiment a ould be for more independent if it had its own trunsport as in Pugland and if ite strength of British carely in India is mercesed to 549 rank and file the Inglish war establishment it would include 22 drivers for regimental transport aule page 8, tables resned with Army Circular, let Doc mlei 1577

Colonel J & Ruddell, 1 25th Regment.

Lestenat Colonel T Rawland Comm and or 1 5th husel era.

Locutenant Colonel M Mac Gregor 1 18th Fort.

L cutemant-Colonel G F Walker Commanding 1 12th Foot.

L cutement Colonel D Warre Common lag 211th (Prince of Wales Ou i) Reg went

I se stemat Colonel G W P get Comma plu g 84th Reg ment

Licentestat Coloni I S Rapi, Com paredu a 44th Recupent

L entennut-Colonol J W Harber 64th Reg ment

Le tienant Colonel C H Parl er 92nd Highila der

Major F Stephen 4th Buttet on Rife Brigade

Major F S Terry 1st Buttaken Zofk kong's O u Borderers

I am of opinion that this might be done

I den't think so What would regiments do with the current cantonments?

A system of regimental transport would be very convenient to move a small force repudly to say press a local disturbance. To make it suffi etentify expansive to undertake more extensive operations would I should think, be very costly. The system, therefore, would be advantageous to

a regiment on the frontier but not to the army generally I have no doubt such a system could be carried out, but doubt rem much whether it would tend to comomy

The utilization of regimental transport, when regiments are not retually on the much the building of cattle lines, the entertuining of extra staff and followers, &c., &c.—these all present difficulties and point to heavy expense. In how fur this extra expense thus incurred nonlid be reduced by permutting regiments to much in relief instead of morning by rule at, is a question for further consideration. Doubtles also mereused efficiency in the troops would result from route muching being the general practice

No, not with economy during perce. Regimental transfort is celled required whilet under the moverble column system the curricular is available generally for station mulitary purposes as required

I would prefer the moreable column system with the whole of ats transport under one or more of the regimental transport officers. On stavies or on a match, I am decidedly in lavor of portions of the trenport being hunded over to each regimental transport officer

I think not A regiment would become involved in great difficulties in feeding and managing the cattle and attendants, though no doubt it could be done if necessary

I think not, except for Native regiments

It could but against it is the question of expense in perce time. It would therefore probably be hetter to head over the moveable column transport to reguments in succession for training, making them for the time being responsible for the carriage of their supplies

les, I thus so If a regiment were called upon to proceed on notice service, it would indent for its entringe on the commissional transport corps. It would

On notes being given of the probles strength of a poll colours about to be found in the second of the probles are the colour places. The second of the colour places of the colour places are the few tengths being most the segmental transport officer.

On notes being given of the probles strength of a poll colours about to be found, the interior places are the probles of the probles strength of a poll colours about to be found, the interior places are the problem of th of transport belonging to the quarter master general a department for transport no ild indent on the commission to deportment for transport for the formed sections of transport of the groon mumber of regiments and deportments and ordinary transport for the excess necessary to complete in service order with ionricen days' provisions and reserve entire

The commissant transport department would furnish this, talong credit for the direct issues to regimients

Additional transport officers would be drawn from regiments not required for service

The commis went department would at the same time undent on its own transport department for its own requirements of transport (regimental sections not being available) thrown into such organize ation as time permits and requirements necessitate The sab commissaint department for transport would, on the other hand, indent on the commis

sarut for its supplies of fresh pull and drought animals The large contents for supplies of fured and purchescal currege would, I think, be better left in the hamle of the commissional Links as lather to

Major Hugh P Pearson 12th Post. The scheme 1 advocate would be a combination of both, since in

charge of the regiment in all other respect the most able column extragge as it now stands is the value of the regiment in all other respect the mustable column system would remain intact.

As it is, even, it is in admirable institution, but in administrance it there is from for it invocated. and I hope I have so shown

Vajor I II Campbell Silvel.

I think a system of regimental transport would be advantageously

legal or space of space of regiments trumped whom to astronogeness or space of space

Major I II Deson Laure Isit Te meni

I am strongly in fract of the substitution, which, whiller or not directly more predictable formed by, underethy would be an enormous gun, in allerding to officers and men the means of becoming acquainfed with the habits, requirements and treatment necessary for the animals, and for their attendants, with the care require for the fitting of the horners &c , recent experience having clearly shown the cost to the country of the prevailing a normee on these points

Mayor W. H. J. Clarke, 72nd Highlandors

Les, it could, as stated by me in question 15 A certain amount of the regiment il transport should always be attached to the regiments in perce time under the charge of an other assisted by non commissioned officers, say sufficient for the purpose of moving the tents, bugginge, &c., of the moreable column

Major G S White, 92nd Highlanders

I think it would be an improvement in efficiency, but would involve considerably increased expenditure

Cultum H VI. Hutel o I 14th (Prince of Wales G s) Regiment

A complete transport establishment for every corps would be more expensive than the moverble column system. But a small estal heliment of animals might be constantly entertuned which could be used for local re purements, instructional purposes, Se, and could easily be added to in

Colonel C R O From roard g Regal Artillery Morat D | 0 I sentenent Colonel L. Lutchen

Boysl Artiliers

ease of local disturbances, murches, war I do not see any advantage to be derived from the change

I certainly think it would be a great improvement if it could Native carely regiments seem now to be able to move at very short notice I believe they then's have their own currings present with

commentiv Major Bertie Holort BA Miltory Servetary to Mis truce the Contract of Madras Any regimental system is to be advocated, and every comes ought to

Con

themselves ! I cannot however see how the system can be applied to British troops

Major H C. Icres Command. 1 g I let Royal Art Bory

have independence in transport up to recrtain point but a limit must be drawn or too many non commissioned officers and men will be taken from the runks, alteredy on most occasions too much thinned I timal so But there would be the difficulty of finding constant

Major F T H me Co smanding C t Royal Horse Artiflety

employment for it No, not entuely

Mayor T W Harelegg Co Unjoy the Houle A Stowart Condy I C Reval House Art bury

I do not think so. It would not be so wailable for general purposes In my opinion "5es," as previously attempted to be detailed

Major C F Na rue R H A

The is answered in No 7 But the best system of transport of all would be the regimental system as a ractical already in frontier butteries of artilless. I only did not propose it because of the expense, but the plan al etched in No 7 proposes that each regiment shall always have a certum amount of caring, attached

Major P FtaB Gollney Ro al Artillies

I il mk not, without some mercase of expense

Capta a G C Bayly 13 5th Royal Artillery

No such a change would, I think add to the expense and dimi nish the efficiency of the transport lept up in jence, and give a great deal of trouble, especially when troops moved by rul or by ser (NB -They move a good deal by both rul and see in Vadras and Bombas) The regimental transport would not be so available for general purpous as if it were in cleane of the commoner at In it is died regimental trinsport is desirable, but one there if a corps be halted for more thru no or three dies is the trinsports should be regimental purposes. These regiment it establishments up our to me to add to expense without adding to efficience, at all events in a proportionate extent

I ent. E. C. Wate, B.A. No. 4. Haupe Me ata a Potter Pravil I'm ter Farce

Yes, entirely, the transport of all the regrecuts being available for those forming the movemble column in cases of emergency

Colonel O % Ih ason 2n i Ben esl Caraire

I believe a regimental transport existem, such as prevails in the frontier regreents would be preferred to a movemble column but I suppose it would be more eviensive

Colonel II Coogl Countried og 12th Be gol Caralry

As it has been decided to employ regimental transport in time of war as being for pefeculie it would be a cessure in time of perce to cmy loy the same system as far as practical le which could be easily done at most stations by exercising it in such manner during every stall 903800

Captain M. C. Cerur I. Isla ogs went Costrol In Iss Horse

Yes at would be deededly a hand-orems for all arms as the men could be those git a metracted in the leading and management of bag-

gige and manufes. Native earths, especially, both from the nature of their word, and the fact of all Native ranks being already provided with pony carriage should have the system so completed (which can be done at a trifling cost) as mould enable a regiment to march at m hour's notice, and for a prolonged company with further help to move independently of the trusport tiam

Taking baggage, &c , on Cabul scale, which is imple my where for a strength of 500 and as un ing it is so manifestly wrong to have two descriptions of critings in one regiment, entailing squate ing to as o manifestry uring to nive two occupations of criticipies no use regiment, outsing sq into hagging grants, so, their powers (i.e., nules,) those, fathoos only should be employed no finit that though 12st are required to complete the regiment for service, by utilizing begrego power of English officers, and a monthly expenditure of Rs 107, it could march and keep the field for one weeks without further resistance

Of the 125 pomes required, 25 are for authorized baggage of European officers, mess, off co. &c.

and are paid for and 100 have to be provided free by Government

and the past on the order to be present the of continuence of the English officer's equipment, to pake carriage being then allowed and group them passage by rul with a few for mess and office, the slot! be then maintoned privately, and as one of the authorized griss cutture would lead them on manh mstead of increasing followers I per officer would be saved to the transport trun

2nd -The following public currege kept up always would en ible a regiment to take and keep the field in an emergency for a few weeks -

Po nes Hospital b Guard tent Quarto master's store 2 Spare ammunition, 25 rounds, rear runk only 5 Veterinary surgeon's and armourer's stores 3 Cooking pots 3 20 = Rs 80Cacolets, replacing }
3 Dandies and Mules 5 == Rs 27

21 Kahara Total monthly expenditure if maintained permanently ER 107

Of the 80 pomes required to complete service entrage, 35 are for reserve ammunition, and of these 20 (100 rounds for front runk) can well be sprued to elsewhere suggested, cultures for the whole regiment being useless

This would leave 60 to be handed over with saddles and la spees by the transport trun intended for induction after the war, they must remain the property of, and be maintained by, Government, otherwise they could be supported regimentally on a permanent allowance of Rs 210. They would be thus detailed, including above -

Hospital (10 per cent) 20 100 rounds tear runk only Quarterm ister's stores 6 Volunteer sorgeants and armourers Gund tents Cooking pots Spare 50 Total.

If 3 per cent crealet mules are to be maintained on service, Government would further only have to provide 12 mules and excelets, 12 drivers, 12 dandies, 77 (or better 65) labors to complete equipment for longest war

3rd —A Government pony should be put in care of each sower's syce, it has should receive free rations and elothing in ichii a, thereby embling the regiment to carry six days' rations complete. These could easily be managed by a regiment, and as Government must ineutably, in any case, grie and in count cash of minages of a feginies, and is development when the money of half other system is compared, they still, by evering the pay and rittons of 55 trues of truin drivers by above transgement, be enabled to do so without loss to themselves. The above weights are eached at about trou manufact per pay, who, as a mitter of set, more frequently only over three. I have weighed to also to 400 Re: that had been entried as seril days with

frequently cars one three I have vergious to use at voto new sold run containment section as a very continuing. So that for an energency 10 day's relaxes could be taken.

As instance of the necessity of completing carriage, new the regiment and only observed into the factor or Koncoo districts, though all Marker run is can insist instally, and early is energe 29 makes day, cannot for the property given remaindation, and doobset with Astern for not, dee, could not by the could be considered from Certain to or Ager, 130 and 200 makes. They would, discretive, have to exist on these day.

cures room on more or agree, now may not make a marked the production of the first marked could not be the first marked could not, the the field by means of bullook c it so private pomes, and we see an eat authorized, they would be left behand if the regiments were then coded to proved towards indoor by train. At starting we should have one dooled and four Lahars for such and wome k! of entire regiment

Estimate wouthly cost for pony-	Rs	Λ	ľ
Gran 1 seer per d em, at 20 seers = Re 1	1	δ	n
One-fourth of siee at Rs 5	1	ď,	()
Prek-anddle	0	4	0
Climida average of eight years' service	0	8	13
Shoring	9	2	0
Medicine and sundries	0	6	0
	-		-
Total	1	()	0

(1111)			[Appendix IV
Estimate monthly cost of entolet mule-			
	Rs	A	P
Grun 2½ cors per diem	4	0	Ð
Half sice on peace fool ng only	3	0	0
Cacolets	0	6	0
S oe ng	0	4	B
Chanda (ten years worl.)	1	Ø	0
Medicine and sundices	0	ß	ô
	-		
Total	9	0	0
	~		
Estimate monthly cost of rations carned on second puny-			
			ib•
Two horses			16
To o pon es			4
To covere and one spec			6
Share of public follo vers &c 160 men la mules 80 pou e	50A	=	۰4
		-	

984

170 = 6 number of days supply

In proof of a pilluse of taitoes as baggage un muls—mel en orderel to you. Kly her column I had four buggage poutes for all r p upoes crup, ponce Ref of seer grad of you'l so no to the four box versage out must have le no be seen Re S and Re S e ch month! Will Of o of line 1011 to of these much d this wife of t a ma and from George to Dholy 0 2m of 2let and 7 Am of 27th No ember of 4 = 30 m les Lily

They are a marched leaded from Jhel in to camp near Vowelsers betwit 30th Accomber and 4th December 100 == 30 males do by

And a_n n n June from samp $Va \mid 1$ to Thelium let v at 3rd and lith including 0.1 to is halt in Pesha v^n at rate of $\frac{1}{2} = v^n$ on less nelective of last or 28 m less a day of actual travelling

Extra gram as of ourse green on these marches

Ba Ge mi C J G fly Consend to Parish Front or

I do not than! The carrage of every legade or col ma should be under the entire control of a tr spot off oor Stold a cgin i ba detacle a subord note Luropean o Nata e (for a Luropean or Nata e corp) should be a clarge of the carrage

Da by supply

Colonel T G Ferrotly Zail Panyab Co ai y

lt me st be more expens re as ental ng pa cantonment separate and so sequently more numerous e tabl shments for I on al cites must de provin id.

Colonel J B v 76 Custmand no let los b J mar. Loutenant-Co nel L'Touche Communicat P na H o An experiment should be at once made with two regiments

A system of reg ment I transport men t policy at titled il el would be of g eat assistance to may mo calle column a stem but I lo not set to stee ld supersede at unles lept up on a s file ally In ge scale to male at too embersome and extensive for ordinary reg ment le prements I am not le c er an al coate for reg mental

bugging arriang in this for the intraster etc pl p though map ellere let the letty may be favorable as regards about to pples floring and when explicit a sometimes to pples floring and when explicit a sometimes to the the best before the policy of contrast to the contra be decided to it come let be let it letter characteristics we mental thin part of the receiver manner and no no a testall bet forward to prote to be than the receiver mental the testal to the protection of the testal te in groupe that it is given by a string group of the beginning to a thin the new yet of the immercious costs of the normality of the newtonic bound on the string the property of the string

cecasion on which the services of my regiment have been required was the suppression of the d.costs,s in the Deceni. One detrebment muched at an how's notice and covered one lumihed mide the first forty hours. I append a few extracts from long reports I have just received from Maging Daniell and Westmucott, Superintendents of Police, in command of various parties - The Police District man vessirence, operandomens of longs, in common of longs places— he room the flows possesses a very great-of-viringe over other reguments has seen here in heigh supplied out, pony centring. The result is that they can more literally as soon as the horses can be sudded and the language probable on the ponses, and there enter not over my country. On one occasion I murried with a detachment over one hundred miles in low than fairly hours, but whenever we brite for its home the men's baggage was up and they were able to get lood for themselves and to male then horses and themselves as comfortable as they would be in their own lines within an hour of dismonning. Without this pany currage, our movements would have been completely hampered in this country, where cavely may it any moment be called on to travel long distances."

The above is from a report by Major Daniell

Major Westmreett, commanding a flying column, writes as follows -

'I applied for Government mule curring for the infinity, and when it was really tested against the baggage points, the latter had the best of it by bours." In describing some very land work the mea had in the pouring tain from 21th June to 3rd July 1879 over the Western Chais, he eye, an and in the pouring from 1996 Act water was to be a superior to the path and rolled down di-times virying from eighteen to house of the Poorus Horse shiped off the path and rolled down di-times virying from eighteen to fifth fact. The rain was meessant and six mill-his were convex in heavy flood. The points were again. fifty feet, the ram was meessant and sax mull-his were covered in herry fixed. The posses were again up within a feet boars of the men. the mule a ringe broke down altogether, three died from exacts true and wont of force, and again on it that he went at "".

Further on, describing the end of this severe weel 's marching, he states, "the whole of the miles Tutches on, describing the end of this server were it matching, he street, "they whole of the med and then had left then tents belind, there make deal, and finite a wood sent set, to Poors." Out of thirty far of the points, some, I cannot give the exact number, were laid up with sore backs, but all, with one exception, were lat to march again on the 7th." Again, -" He have marched over some six handled miles in wet and day, over hills and through deep mid

and pony carrage has never faded "

I can fully endorse from my own experience how serviceable pony carriage is when kept up on our system so, with regimental spees to look after them in camp and to take climics of them on the our relation of with the firming this lave for early made be dealing that not of price. In themse, it is of great virtualing a laving (squeen's) special for latent point of these man get into bribts of deciption it camp, and it is always to fabor (seemal interests on the many) to be price of price and produce the many and the salways to fabor (seemal interests on the many) to brive the price of price and the seemal interests of the name of the true beginning that the service and the terms of the deciption of the service and the terms of the deciption of the service and the terms of should be sufficient to an ing mental terms of compared at 10 times. I here only one thing more to add regular post energe, and the in the lath whom committee are resembled to purchase posses, away most whable animals are rejected, because they do not come added stancted is regarded abuse, losses, and moderates. I can attend the strate the control and animals are emphased that many some add animals are emphased to the time of the control animals are emphased to the control animals and the control animals are emphased to the control animals are emphased to the control animals and the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control animals are emphased to the control anima amount of the loads they can carry and the defences they can go, and if you carring a over used more extensively than it is at present it would be as well not to be too particular on these points Our men being under paid, squadion commanders to often obliged to pass points that so far as appearances are concerned me most improvement, and jet they do their work in the most astonishing manuer

I entenant Colonel J H P Malcolances Communicating 3rd Send

Certainly. A regiment with the sleden transport system I have proposed would on being ordered to form part of a moreable column complete itself and would do away with the necessity of a moreable column as at present organized

Colonel J Doron Commanding 27th I unjub hat ve Infai try

hes, I consider a system, framed much as exists in the Panjab Frontier Porce, might with advantage be substituted for the moveable column one.

Color of H S Oblant Command-aut 41st haine Infantry

I think a certain quantity of curringe should always be attached to regiments but that it should be kept in one place in the station and as at precent tot a moverble column—see reply ?

Colone P Dandridge Command

Yes, under the supervision of bugade transport officer.

ing 10th Anti e Infantey Coint of G. W. Trauer, 39th Autino

Yes, I think such a system might be adopted with advantage in substitution of the present movemble column system, but in view to partly paying the cost of its leep, it might be let out on line in the then its of the station at which the regiment was quartered, on condition of its being a whale within 21 or at most 48 hours' notice, and returned in good order and condition

I scatement Colonel H. Warshy Commundo a 7th Native Infantry

Undoubtedly! For with regimental transport, troops could move on the very shortest notice to repress local disturbances. All a regiment requires for such purposes is puck transport for cooling intensils intrench ing tools, and receive ammunition for about two thirds of strength The men can themselves carry three days' provisions

If necessary, tents, brigging provisions, unmaintain neverues &, can be ent on afterwards by means of carriage obtained from local sources. All that troop require tasta tij ar abable is carriage to cooling attracts instructioning tools and about 50 rounds a m m. With that for two or three days they can be independent of other carriage. And in two or three days local corrage would certainly be available if properly registered

When currage is required in case of epidemies, we have always notice sufficient to enable us to procure it in the neighbourhood. In short, there seems to be no necessity for maintaining majorable columns on the present expensive scale

Lientemat-Coin el R. I. Welker Commundur à l'été bat se infautre Ler Irmet Colonel R G Pagers 20th Poppab Autore Infantry

Only, I should say, at an mercased cost to Government

Les with greatest advantage. Officers and men would learn transport datus directs, &c., would be dreaplined, raimals would be trained and better cred for and regiments would dainys be alle to more off with sensey on an emergency at shortest notice, which they cannot non de

Leonicant Colonel F B Arman, Comma dung 25th Lunjah Astro Infantry

If pec many rd; ratege is meant, I don't think so But if efficiency and readmess to more it an hours notice is meant, I think it would be whentegeous to extend to all regiments verying truns Judian the eystem in force with the regiments of the Punjah Frontier Force, but the carriage Lept up by these regiments is only sufficient, I believe, to move a usung lightly equipped

Licetenant Colonel H St G Tueler flat Vat to Infantry inte Super mic dent Transport Fran 41st N I

No The moved le column earnage is, for the most part, some distance was from east ments graving. I believe a certain amount is kept for station work such as bringing up from or to the railway station or currying supplies from communicated department to regi-ments. This can quite sufficiently be done with the small amount of

entruce a back might be by up of the death was a sufficient of a conductor or non-commpressed effection the critics of the superintendent. The non-communication of the conductor or non-communication of the superintendent. The non-communication of the conductor or non-communication of the superintendent. The non-communication of the superintendent of

Major S v B P Bremland 40th Rative Indu try

Yes, will the greatest advantange, both as regards efficiency and economy (See zeply 3)

Major A C W Crockshank Command og 52dil 1 secons I do not think so to distribute the prevent carriage among regi-ments nould produce no practical good and to provide regiments with onen the smallest useful amount of enringe would be very expensive

The system is partially carried out in the Punjub Frontier Potce and no out out drup the efficiency caused thosely, but the cest is entermore. However, is about more by markenable to keep the earnings under regissential charge and employ it departmentably there would be earlier fortishen Bettin Lioux the enterings with the department which me is tail of but I some how to fail it care of it, to say suching of the unconcentance of neutrinosmy which me is tail of but I some how to fail it care of it, to say suching of the unconcentance of neutrinosmy.

when need to the cert rate of the place of t more is wanted? Her privacy mass a sorm were to three on all the local about in Jacker that in the nition, and the best way of accessioning the men to currege is to make the regiments, and not send

them so much by train

Colonel H. Resenger Commanding 4th 5 bl s Yes, assuredly, as roughly suggested herein, and to the benefit of Government and the regiment. As already stated, I am not aware of the moveable column system

I sutenint-Colo el J I Basinell Coma and g 2 4 5 kbs

This is answered by No 7 I strongly advocate the regimental transport system be natroduced

Lenter of Colonel 1 7 Barn bridge, 41h b kbs

Certainly, and with great advantages to a certain extent but I think, for a regiment to keep up carriage enough for marching in onlinear, rules, would be an unnecessary expense and I also that into the transport key they are general should federal to add the state of the could be a segment should federal to be an extense, so that it could

be made of general we when necessity.

A regiment marching in onl were rehel could always be supplied with full transport by talling the carriage of other reguments of the brgade hi going on service, it would be tilled up from the tesers e

Major A G Hoss Int Skh In

Les at ou ld be done But I thank it would be expensive If it is done educate for British officers and for bazant, who are always left out, British officers especially

Colored W. A. G. b. Common danat 2-62 Medicas Autora Infantry

As thereby stricel, I have no expression of more this columns but I can quite understand that in regimental charge it would be more hardly, and hillely to be better than care of The quantermaster could look after it

Colonel 9 Edwardes Commoning 2nd Bombay Ant to Infantry

I do not quite understand this question. A column to be rendered moreable requires a extinua ranomat of regunental, depart untal and general transport the first being in regimental charge, and the second m charge of the commissionat and transport officer or both in charge of the latter, general or auxiliary transport heing hired or parchased in the district as required

Colonel W Bannerman, 4th Bombsy Riffes

Not without incurring additional expense. The field column carries in constant use by the commissariat and if it were lying ideas regimental churge, other transport would have to be engaged by the commission at department

Colonel H. H. Tumes Command ang 10th Bombay Native Infa dry

I thunk so, and it would be preferable

Colonel J Pairbrother Com-marking 22nd Bombay Nation Infantry

I believe a system of regimental transport could be easily substituted for the present moveable column one and with advantage in some regiments where there was a man who understool it but in the absence of such, I ferr it would not be a great success Perhaps this world nestracted in this mest important duty of all mil lary men, namely, to be able to organize training take care of the carriage of a mary, and to emble officers to make a blee to organize, training the care of the carriage of a mary, and to emble officers to do their bleeve nating nould be found more efficient or simpler than a "buggage cause" on somewhat the same principles is Guard

Sir C I Nupier's Sind Corps Lt Col O V Tunner Command ing 20th Bombay Natice Info try

I think it would be preferable

Colonel J I Willes, Commissary

General Bengal

ral Bembay

Any system is better than the present. But I cannot see how regi mental transport is to woil, because in time of peace there would be as object in keeping it up, as there would be no work for it

Colosel B A Moore Acting Commissiony General Medicas Licutes and Colonel M W Wil long by Acting Comm mary Gone-

It would cost more, as each regement in graison would require to have its share of the carriage, and more would have to to be kept up The regimental transport system has been found to nork well on the

cossions of which I have any personal knowledge, and to be really efficient in wir, should be introduced in prictice in time of perior, but it would I think, he more suitable to the Nature than to the Liuripean army and it is evident that only a very small nucleus could be kept un, as the regiments would have no use for it, and except at the larger stations, these would not be as the regiments wholic drive no use for h, and except it the large extense, there would not be interpreted by the employ if on the whole I am a from of measure, the field cold must centree, as proposed in replies to questions 2 and 7 of this paper, and placing it in clarage of special officers, bunding the field before carrings, or whitever transport may be kept up it must rituous, min regimental clurge and supplying regiments at it transport a best flay that the field which should time to entirely in regimental clurge. If the currency as missed questions will time about ground on which it can be bested, lines for followers, be, and the same questions would use, though in a smaller demand if the course of which the contract of the course of which the transport of the course degree, if the carriage is distributed into regimental charge

Column T H Sabley Deputy Community-General, Bungal

When regressing on to it a fraction; they should have their correct made over to them as on service, and be beld responsible for it, on relief they could make it over to relieving regiment

Colonel M J Brander, Officialing Deputy Commissary General,

I see no advantage in such a change A cestam amount of currents considered sufficient to enable a portion of the troops to move at a very short notice, as munitained at nearly all stations, and can be utilized for general purposes, under the orders of the general commanding, more readily than now under the commissariat deputment

Colonel J Keer Deputy Com m swary General, Lower Circle, Bengal

I meer that carriage is meant to be maintained perminently it stations for certain regiments or detachments and latteres as now done for more able columns. I cannot see the least advantage to be obtained by placing it under the different regiments, &c, and I fed sure it could not be done so economically as it is at present under the commusariat, nor do I think it would be so well managed

Colonel G S Mucheau, Deputy Con meany General late an Con of clurge of the Khyber and Luram Forces

Not with adventage as to cost to the state and care of the cattle, and the necessary there would be for three or four cattle yards in a station

Colonel B. R. Q. Manwarang Ass stant Communicary Deputy Ass stan General Kampton

Regimental transport maintined would be costly, because the regumental authorities have nothing hardly for it to do when stationary, whereas the movemble column carriage makes a great saving by contain ally working

L catenant Colonel J V Huit, Deputy Assistant Commissary General, Bengal.

I think that such a system might be advantageous, and if separa tion of the transport from the commissioned is contemplated, the legimental transport officer in burns the portion of carriag allotted to the regiment and in managing the same would gain great experience

Major W Tuckbardt Deputy Asst Comy "Genl, Umballa

I do not think this measure would be addreable for the reason that transport would not be available for general purposes

Cuftan'T P Hobber Dentr t at Comm af G erd I dib

If I it mush the end flotors with Not regime to the last the Nation of its a limen to be fair thanken to into the stilled billed so the comment to trouble litter the charge of the comment in the n

t H B Hs on P-q Central S p n ndent of Ho e Leccing Open so

A reg mental sist m of transport night lete telma fir corps different parts of India b t I am noticed to that the man for que deprime t salove recommended well in the end proven resists felor e je sence has jeo ed that their gimental sy am often fail time of war

- 17 What would be the weight to be carried by a regiment of the man, or regiment of in an or botter of artillers or company of en pers at present established strength for service in the plains of Judia and what would be the amount of transport necessary under the undermentioned headings according to existing regu lations on the following scale re
 - (1) Camp compage, as laid down for field service in the plains

- (2) Baggage data dato (3) Ammunition (service scale for all arms)
- (1) Cooling utensils at the rate of 2 camels per battery and 1 per company
- (a) Intending took at the rule of 2 camels per regiment (b) Lood for four days for men not followers
- (7) Gran for hoises for two days
 - The transport should be of the hand used locally Sick transport need not be entered

I see mant Gen al C P Of abe less est l'te Com manding Onlh Division

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Major General A. W. Macas tire, c.e. Commanding Hyder abad Subsidiary Force

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As an all and the state of the

Memorardum showing the established strength of empty, Se, on takes from the Quarterly Arm 1 Let of 1579

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* Includes our robug weeker

Muss General R O Brooks, Tell reformations given on this question under all its beadings in annexed retain

Table of soughts to be curred by the different branches of the error of present catallished strength for field exercise in the plans of India, and a most and nation of transposi in the executing regulations on the following scale, and physicare scale in bearing area trackabled in this estimate.

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() Grain for hence for two days.	3	•	25	i	13	-	н	4	Cª	3	n	,	1	6	tr	1	psizsite
GMYD TOTAL	15	1	=	ĩ	1"19	0	Ī	ā	10	1	0	69	33	1	10	19>	

Bugader-General G. Burrows, Quarter Master General Bruken,

		2115	
British cavilry	***	151,309	
Katae a	***	. Cars their on	Ď
British mi mary	***	193,100	
Native n	••	79,200	
Taild battery	***	SG,100	
Company suppers	***	11,600	

		Brtsh Cwal y	Aut to Cwalty	Br () In Cantry	A tve I tantry	Field Battery	Company
1 Camp Requires 2 Beggree. 3 Ammunition 4 Cooking utensils 5 Entrenehmy tools 6 Food for four days 7 Grun for houses	Conity	75 67 7 3 0	lles pros	100 97 21 1 1 1	22 55 19 0 1	25 23 0 1 0	8 8 2 0 0

		fbs
Elephants	earry	1,200
Camels	27	400
Mules	20	200
Country es	its "	800

Byerd e General T G Kemp Table zhowing weights to be carried by the several aims for sevence is stor. Commending Colled Districts

He plane

Diju p sento	Br Bu :	I for	Balt vol fd set li sy	CF 2 L	Istantry	Company of appopu	Etaus:
Comp eqn page Bo_a Ammunista	29 4/3 2, 19 6 250	% 8 91.490 116.200	7 54 7 54 251	I 0 1 87 8 610	1b 1 147 20 40 1 000	0 PRIS 6 E 7 3 100	(e) Ari thery (ff)
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Took for four dates (com alastes) G a nefor the diges	30 099 30 810	J0 60	8 410 \$30	6 6% D199	8900	1 169	pers of din to ere not known.
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It would be difficult to state the amount of transport, as such would vary according to nature of service and character of the district while the seat of are might be curred on. To instance in this district which is a block boffice of nothing but causes, mules, and pack bullooks would be of serves access country, a wholed carriage evoid only tracters tooks.

		Maeda			
to Go	emin	ent of	Bon	day	Mili
tary D	eparts	acot.			

British envile Native cavale	eniy i	heir or	VD.			151 200
British infini		•				192,400
Native infant		***			,	
Company sapp	ретв	•				11 600
Tield battery						36,400
	Best sh	Nativo	B, tish infinitry	Nativo minuti y	Tueld batters	Сотраву в 1р1 ста
Country Crets	$\begin{cases} 75 \\ 67 \\ 7 \\ 3 \\ 0 \end{cases}$	Cany their own	100 97 24 4	22 50 19 0 1	28 23 0 1	6 8 2 0

6 The Commissivy General will give recurate information

Elephants cury	1,296 W
Camels 19	400 ,,
Mules	., OB°
Country earls cury	800 ,,

lbs

It.

Colonel A. H. Murray Deputy Adjutant General Boyal Artiflety va Ind q See table attached as far as artillery is concerned -

State rent of transport required for a buttery of Royal Artillery

3 days of any	,				55	Ī	Without off cers		
Inches of char	Mds	SES	Be	Elepl onto	Cut als	47 Jes	3140	E No 3 a	and moted in plains
F P tests 14 S S to to 5 Leuter p to 5 Regarge for 10° mes An men four find lace Cock og utensis Concurrental ra- tensis for 20 Gran for 200 herees ary 145 rakes & south	70 III	0 23 12 4 0 0 22	0 0 0 0	19 3	28 6) 35 36 22 6	36 11 21	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	30 -2 4 10	* Only two E P truts can be corned upon each elephant. † Only four boxes can go upon each ele- phant.
Total	445	31	0	25	10"	1*	26]	138	

L entermi-Colonel A G T Hogg Deputy Quarter Marker General Bombay

British Native	miantry infinizy my suppers	ny then our	1		192 490 79 200 11 000 85,400
Untsh	hab e	Not sl	kai e	F'eld	galf cag
ca sky	essalty	als try	mfudy	batters	

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	Comutes	enrts		
8	100	52	28	6
	97	55	23	8
ry th	24	19		2
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	1	1		
	Chrry their own	Country 100 97 24 4	Compt) cute 100 22 97 55 19 4	County, cutt 22 28 27 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 29

(0) and (7) Questions for the commissarial department

	toe
Elephants carry	1,200
Cranels	490
Mules	200
Country excts	800

Vapor A. A. A. K. uloci. Deputy Assustant Quarter Master General In the absence of looks of reference, and being without the mems of obtaining if on at a resent, I am unable to reply to the various hardings of this question

If my yell spike redsh to give the numbers of multic third consisted receives to enable v libritish on Artive military ryment. Buritish monetual riting and a cover not express to the third for this feet with four dry "supples to the higher where multies rut, the cuts + whether there whether the rut - whether - whethe

The buggered cump e pugings of followers, as well as their food, have been consided in the color lation

The lord of a mule has been tal on as 200 lbs The tents calculated for an expos pals

Number of mules required by-

THE PARTY OF THE PARTY OF THE PARTY OF			-		
	Beet shoulantry	Nat ve meantry	Nativo cavalry	De t. sh. mountrin buttery	Company suppers
Curry equipage Baggion Amountina Cooling wieneds Datawed tog tools Tool fact from Lay (males and horses) Tuclais for write (viscolately accessive)	174 87 12 16 80 29 16	63 100 95 8 12 47 19 17	Approximately on annily scale but with different details	Curried by lasticity in the 31 Corried by britiery mules, 3 Auf 18	Approximately on ann lar scale but with different details
Total	520	\$60	400	93	90

I entenant Colonel R Blundell, 2rd Husses

38,908 lbs This does not include the weight of tents allowed by Government for men, garnes, hospitals, and followers. This would be 22,800 lbs more, in all 61,708 lbs

Licutesant-Colonel R. S. Clola id, 9th Lancers,

2000 2m	attore, m of	41,100 100	
	Manuds.	Serrs.	Camels
(1)	382	2	712
(2)	414	22	80
(8)	57		10
(4)	30		ß
(5)	16		2
(6)	1701		341
(7)	109		22

Lecutement-Colonel Lord R D Kerr Common d 1 g 10th Hussars

The weight to be caused by a regiment British cavalry, recording to The weight to be caused by a regularity drawing to bet seale published for actin service, is—
Alaunets 1,161, seers 31
The amount of transport required under these headings is as

follows -

	20110%	. —				*** *	
						Mds Scs	
(1)	Саму едшраде			444	weight	624 4	
	22 12	cominge				125 camels	
						Mla Ben	
(2)	Baggage				neight	315 11	
4.7	10	eurage				63 camels	
	27	33				4 mules	
						Mds Sig	
(3)	Ammunition				weight	66 1	
1-1	b	currage				31 mules	
	"					Mds Str	
(4)	Cooling atenuts				neight	17 31	
(2)	Oper my messere	езинде				(ormels	
	Great economy	of costand w	eight noul	d be obtain	ned by m	troduction of b	lock
	tin cool mg ntensils				•		
						Mda Sra	
(5)	Entrenching tools at	ni gudlerena bi	plements		neight	8 10	
(~)	22	, ,		enmage		2 crinels.	
	"					Md4 Srs	
(6)	Tood for men				weight	25 21	
(4)		eatringe				(I cample	
	27 37					UL Sy	
(6)	Grate for 2 days				neight	106-16	
(7)		carrige				27 camels	
	27 27			•			
	Total energe un	ording to prese	nt scale			229 camels	
	Deffa	diffe				95 mules	

I e ti. Col J C Le Que ne 125h Roy l'Lancere I e t Col G Luck, Consumed mg Joth Hussare Including tents and home blankets something over seven tons Ton wayons should amply suffice

I append a scale of weights required for a cavalry regiment I have just received it from may regiment, but have no me as at hand of testing its accurren

[Appendix IV (1121)

Weight to be calmed by	A REGIVENT OF	British Cavada	OT ON THE	PLAINS
I se tenant colonel Miyor Miyor miyor " Fryntrick — miyor " Surgeon angles — miyor " Schollerns A lyabat Q rytermaster R dung muste Volcusary surgeon Officers' mess Sird sergeonts Raul and the	of the re	y ent		111100000000000000000000000000000000000
T al.		Yala	Backst	Curp Iu-rap. Equipat
I heritenni-telouel I sungle I mape I happe I happen anyor I sungleon myor I separater I sungleon myor I separater I sungleon myor I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I happen myor I sungleon I happen myor I happen myor I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I happen myor I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon I sungleon	8 12 8 13 8 13 8 15 8 15 8 15 8 15 8 15 8 15 11 21	M S 26 1 3 26 1 3 26 1 3 26 1 3 26	# 450 450 156 156 480 400 3°0 3°0 3°0 320 320 320 40 ca	21 2 0 0 12 1 6 12 1 1 6 12 1 1 1 1
444 rank and file 58 BPT Rations for 453 non-comm as Gran for 173 lorses for 2 day Gran for 77 ol a gent for 2 da Entrachmo tools Cooks gutanais Annumt on 80 rounds per box.	ened offeers and is 18 4 seers per tys 16 4 seers per	nu i foi i days hera diem	3	808 10 22 82 91 137 16 30 a cach 59
Arm chests if full Paulins and troop stores Voten hary stores Scales and weights Stillers Stillers Stillers Corderly room				15 100 50 10 10 5
Pry office Quarte master s office				б
Armourer's stores				10
Ta spot seg st lst—List cump can prige 699 st 2 d—List begging 859 minst strict—Lunn and on ser; es 4 417—Cool ag tens 6 d to get 647—List cut ung tools 647—List cut ung tools 647—List cut ung tools 647—List cut ung tools 647—Pand in a d troop stores 647—Pand in a uf troop stores 167—Annous e stores 167—Sul list e stores 1568—Sul list e und es stores 1568—Sul list e und es stores 1568—Sul list e und es stores 1568—Sul list e und es stores 1568—Sul list e und es stores 1568—Sul list e und es stores	e n aunds s pen			Cutofl 4 3 1:2 1:2 6 2 17 2:1 7 2:1
15th —Scales and weights				2

44

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Total

Artior t s

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Mayor J W Chaplin 8th Hussars

British ematry (strengtl)-

- 2 Field officers
 - 23 Officers
 - 9 Stuff sergeants
- 445 Non-commissioned officers, rank and file
- 436 Hor es
- (1) Weight 568 maunds, at 5 maunds per cumel, equal to 114 camels, or 38 elephants, officers' tents not included
 - (2) Weight, 386 mounds (quarter-master's stores and artificer's tools not included)
- (3) Weight, about 56 mounds in 58 cases lined with tin, at the rate of six boxes per carel, equal to 10 crimels
 - (4) Weight, about 27 mumds, at one camel per troop, equal to six camels
 - (5) Weight, about 71 maunds
- (6) Weight, about 57 maunds (does not include firewood or rum), requires about 14 camels for transport
- (7) At the rate of five seem per horse daily, equal to 109 maunds, requiring about 22 camels for transport

Capta a J	A.S	Mackens o, Sib	

	Mannda	Secra.	Camels
(1)	382	2	712
(2)	444	22	89
(3)	. 57		10
(4)	30	**1	6
(5)	. 10		2
(6)	1701		841
(7)	209		22

Colonel J A. Raddell, 125th Regement

	WITHAMA		Cattels
(1)	. 1,188		198
(2)	900	**	150
(3)	267	• •	45
(4)	48		8
(0)	. 12		2
(0)	. 168		28
(7)	2		1

Licutement-Colonel M. MacGre gor, 1 18th (The Royal Ir sh.)

- (1) 600 maunds, or 120 camels

(((

- " or 112 (2) 560
- (at the rate of 8 men per camel)
- (3) 221 maunds, or 37 camels
- or S (4) 24 2)
- (5) 12 2 OF. 23
- (6) 111 or 22 , 22
- (7)or 1

Total 1,532 or 392

L cuterant-Colonel G F Wall or Commanding 1 12tl Foet

A battalion of British infantry 800 strong on service in the plans would require about 255 camels at five maunds each, total weight would be ab

øu	t 1 275 maunus		Camels
(1)	camp equipage E P tents 16 men per teut, for		
	mea		100
(2)	baggage		80
(3)	ammunition 130 tounds per man		30
(4)	cooking utensils		8
(a)	entrenelung tools		В
(6)	food for four days, at 4 Rs per mon		52
7)	grun for herses for two days		2
		-	
	M + 1 1 f 1-		051

Total number of camels

I generate on I D Warren 214th (Pns s ef Construe d 2 14th Wal Own) Regumen

	Can s) I	[] T	w sht
(1) Cung equipage as had donen for felice cen the plans (2) Bargage con page as had down for felicery or note	143	GO	7]1	7Ids 110
plune	138	46	69	G8S1
(3) Amount on (see a scale for it with the control of the camels per latters and one per company) (5) Detending tools at the rate	52	a	26	260
of two camels per r g ment	2	1	1	10
(6) Food for four days for men (not followers) (1) Gram (for heres) for two days	69	La pen to	30 r luct	
dys dys				
	390	1.4	1971	19 31

Local mant Coles 1 5 W Poget Commanda, 35 b R g ment

- () Camp equipage (I gbt) 2 caracle
- Can p equ proc (berry) 167 camels Bagg ge —152 cuncis 8 mules
- (3) An mun tron 0 m les (4) Cool ing t us ls 8 eumels
- (a) Entreuch ng took -S ermels
- vo transfer oV

Leuterant Clen i J S Head Comm whog di b R , ment

- (i) Composupg 70 300 lbs would require. "I bosts 60 elephants or 86 c is or 1717 resolut.

 (2) Buggage 31 8.00 lbs would reque 31 boat is elephants or 65 c; i or 130 crimel.
- (3) Amm netson 737 bone about 73 000 lbs would require 73 tonts 00 elephants or 91 carts or 181 camels

 - s 0° elephants of 01 early or 181 camels
 (3) Cooling but in \$5.00 his \$5 to \$1 elephants or \$1 earls or \$2 camel
 (5) Entreadum, took 1 bort \$1 cl] nut or \$1 cart or \$2 camels
 (6) Entreadum, took \$1 bort \$1 cl] nut or \$1 cart or \$2 camels
 (7) Gan fare inner \$5 * \$0 ayr \$1 to see \$50 his \$1 to \$1 clephants \$5 to \$1 care \$50\$
 (7) Gan fare inner \$5 * \$0 ayr \$1 to see \$50 his \$1 to \$1 clephants \$5 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 care \$50\$
 (7) Entreadum \$1 to \$1 care \$1

 - Eglt m les are about eq 1 l to ti ree camels
- Light in its are boated on a to tree cheese.

 Lon tield to did not yn one to question? If all for a beeded troll end or up y from males are concluded an agency of the second of the sec

In Uyssu 2 til the mounte 1 I propern a pe untendenta de tlem

Let n ni C lou J W Hughes 51 b R , ment

	Weglin	.ml	Upans	Or two_bl c is
(E) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Let. Ro erre 2n l Ro er v	6 2 431 35 47 2 10 21	43 03 18 18 1	10 11 10 11
		1 288	196	17

fruinifr& allmb utma(Side)) to 1

Thephant and two lottest lackens are the tangert available as the ne ghi e whood of Calcutta

Lest Colonel C B Fagales Communication 5 th Regiment

nuds	Number of earls	s moler of case)	Number of mul-
. \$16 769 186 40 10 112 5	41 88 9 2 1 6	162 154 45 8 8 2 24	321 308 90 16 4 48
1,982	97	397	791
;		Mannds SG1 Go5 165	Cumels. 151 186 20
	. 816 769 180 49 10	. 516 41 769 88 186 9 10 1 113 6	. 516 41 102 769 38 134 159 9 40 40 2 8 10 5 2 8 110 6 26 5 4 2 1,962 97 597 Manning . 861 . 965

Mojor F Stephen 4th Buttaline Rufe Britishe

		1	llaunds	Camels.
(1) (2) (3)			SGI	151
{2}			Sp5	186
(3)			165	29
(4)			32	8
(5)			10	2
(4) (5) (6) (7)			70	14
(7)			3ა	7
	Total		811	847
			Manada	Camels
leig k t for a regin	ent of infant	ay of 81	10	
strong			2,585	
 Cranp equipug 	e		1,188	148
(9) Removes			000	150

Major F S Terry 1 25th Emg a lef W

 $2\pi d$ Ammuniteen 45 Cooking utensils Ent enching tools 18 8 12 2 188 9.8

Pood for four days Grain for horses for two days 2 ł Total 9.580 481

Major Mogh P Pearson 12th I mil answer this question, so far as it upplies in all purhenles given under the several headings, to a Brit sh infrarty regiment I will attack an Appendix (A) to show the cale between in detail which produce the totals given below: Far convenience the cruinge will be worked out in camels of ly

Weight Camels	(1)—Camp Equipage	M 1,099 215	\$ 114	Weight Cumcle	(4)—Cooling t lensels	M 40 8	S
	(2) ~ Baggage				(5)—I treneds to tools		
Weight Camels		920 185	2,3	Reight Canch		10 2	
	(J)—Ammunition				(6)—T ₀₀₈		
Weight Cimels		176 31	19	We glit Camels		287 58	10
		(7)6	Frank fo	r koruce]	M S		
	e .	.,	-		3 0		

Height Canel ï

or a total altogether of a 351 maunds 33 seess, requiring 500 camels for its conveyance (See recapt tulation in Appendix A)

APPENDIX A

Shoring the proof of the replace to guestion 17

The required weights will first be given, il on the vilhonzed currage

The crients one we have be still shadow of a Britah salarity come as given in the Bengel Army Jut in the note on py 187 (led 100). Medical offices and ember invites to not in cloded. The psymmetric is calculated for us a captain. Tents for hospital are included.

	(1125)			[App	endex	Ī
	1-	-Wzze	Sir					
(a)-Crmp equipage (officers)-		_ (d)	-Cooking	uteral-	-			
1 single pole tent @ 19 21/= 29 kill tents @ 8 31 = 1	19 S SH 1	9 '	A£ 5 maun	d= per con	pray		M 10	S 0
4 pals (1 for men) @ \$ 101= 1 double-pole tent (men)@ \$3 \$1=	53	91	Total	weight co	Ang ate	alen	40	0
	121 I							_
(Non commissioned officers and men)—		5		hing tools			71	S
9 staff serge-uits' tents @ 6 121= 67 E P tents @ 10 304=	56 B 21	6] 6]	At 10 mw	ndo per re	gusent		10	0
Total weight C equipment 1,4 (6)—Baggage (officers)— 1 heuten int-colonel	EB JE M9 I	1 } S	Total m	nght entre	nebug to	ols	10	0
2 majors	39	9 U	-Pood f	or 4 men	duly rati	on per i	man	
8 captures 16 subsitions	80	0	Med			1 16		
I prymaster	10	9	Bread			1 "		
I quartermister I adjutant	5	0	Vegetab	les		1 "		
Mess allowance	125	0	Faces one	1		3 lbs		
	380	9	R ce			4 028		
	000	_	Sugar			2} "		
(Non-commissioned officers and Mes) -	N	S	Ta			Y n		
4 stall sergernis, class A	10	0	Sılı	•		ę u		
881 non commussioned officers, rank								
and file	5,0	!				3 lbs		
Total weight baggage	930			025 X 88			117	,
(c)-Ammunition service scale, 1st	and 2	lad	which X	4 q312	æ2,	1,083 ,	10\$,
40 corrects @ . 150 rounds=	61	190	which, m	naunds			\[=187	10
ofheors, rank and file @ 130 ,, =	102,6	1 011	stal wegli	l 4 drys' f	ood for re	gment	287	10
Rounds	108,1	011	-G12 a [[er horses)	for 2 day	s-		-
108,440 rounds V II ammunities @	215	1 6	charges:	nt 4 ecers	each per	diem @	3	
and ISI lines @ 78 n lives	176	-1	2 d23 s		-		1	8
Total neight ammunation	176	19		Total We	ight Gru	n.	1	8
(N B - There are 57 new commissioned officers not armed with rife 9								
The carring		Canno		s only				
(a)—Camp equipage (officers)—	0	1		goga (alk	-1-0			
			(u) - 1/2	PaBa lour	Catrols		Cur	od .
Camels	Cime	ŝa	1 heatens	nt colonel	nt 5		= :	5
	= 4 = 4		S majers		n 3		ser (
9 eag (1005 25 25 =	= 16		8 enpiran r 6 aubrilien		"ĩ	•	= 10	1
iu subalterns ,, 2 =	= 32		l magnest	er	, 2		122 3	3
	= 2 = 2		lquarteri Indjetant	enster	" l		= }	Ĺ
l adjutant S =	- 2		le voll	es ance	, 25 , 25	•	= 2	
Mess allowance 39 7 =	= 7				-		-	
	69	10	Vов еал т	n ज्यात्वे ब्र	Reers and	men)—	- 73	•
(Non commissioned officers and men)-			1 stalk si	genets, e				
9 Stall ergerats' tents at 14 camels = 67 D P tents including guard, hos-	= 13	685	camel	ne woned	e Florer	runl	= ;	,
pital, &c, &c, at 2 canels =	=131	08.	and file	, at 5 men	bet crme	Liar.	=111	
	-21a			ennels fo	-		=190	
room comers the comb contings =	-213	1	16(2	e crugeis 10	n onggrig	c .		

miliarum e. 7	١.	1110	
(c)—Aumuniton— 181 boxes of M H ammuni boxes to each camel	tion at 6	(f)—Batanching too At the rate of 2 pm (f)—lead for I days followers)—	regiment = 0
Total camels for ammunit	on = 51	Weight of 4 days	food for SSA
		men=287 maune	is 10 secre.
(d)—Cooking utenals—		wlich, at a manne	
At the rate of 1 per com	раву == 8	(g)—Grun (for horse	s) for 2 days—
		Weight of 2 days	food for G
		chargers=18 seen	
NB -Provision is not m	nde in this calculat	tion to curringe for ums of	sick and wounded men
hospital stores medianes, &c.	, &e I ractions of	eamels have not been consider	
The following is the		1	Mds Seers Camels
Recapilata		(c) Entrenching tools	10 0 == 2
	Mds Seers Camel		287 10 = 58
	1,099 11 =215		l 8 = 1
(6) Baggage	920 25 =185		
(c) Amm inition	$176 \ 19 = 31$		2, 531 33 = 500
(d) Cooling utenals	10 0 = 8		
Major J. H. Campbell 33rd Regiment	-	or the regiment for all purpos Carriage	
	Crrts		52
	Camels		. 309
	Mules		10s
Major W H J Clarke 72nd		(I) camels 142	

Highlanders

Ŀ

(2) camels 110 (d) camels 2: (d) camels 8 camels 29

tey cruces o
(5) crueds 2
(6) camels 30
(7) crued 4
(7) crued 4
(8) crueds 2
(8) camels 70
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(10) crued mules -

Cabi I scale of carriage Noles Camels For 850 men s l 16. at 10 per ermel and 5 per mule ,, 850 tentage at 92 per sepoy pal, 39 tents 85 78 156 l sopoy pal for guad 2 į 2 , I lisem ditto ,, cool s kapanalis and cooking utensils 0 18 " entrenching tools
" quartermester's stores ø 12 j 0 , company ammunition chest 4 1 , sumunition 112 10 rim 3 days' allowance
regimental offices and samp equipage
public followers at 10 H s each (80)
billhoods and felling axes Ĝ í 2 6 i 2 , signalling instruments , blanket meket tents (3) ī 32 OFFICERS AND SERVANTS Buggage and camp equipage 10 38 27 13 Add a per cent on camels and mules 101 2724

rank -

Major C S Vi anders	The s	1744	n 31	l or a regiment,	British mfor	tis ris	_850 all
anue *					Weight (Mlx)	Can la 267	M slev
					532	129	9
					132	23	20
					52	8	
					8	9	
					150	37	
				Total	1,522	386	28
							_

Mannie

The above is about the calculation with heavy camp equipage. If high camp coupage, deduct-

	2576	Camels	Males
	\$54	8 812	
leaving with light c	amb edini	nge	
-	301s	Camels	Mules
	1 168	2/8	28

(1127)

Captan H M L Hetel en Abor 1 14ti (Prace of Wake Own) 1000, &c Regiment.

Colonic C R O Fra t Con marking Royal Artillery, Meerut D we on

About 33 tons, including cump equipage, hospital equipage, ammuni-

For a britiery royal horse artillery-

(7) Gram (for horses) 2 days	60	30	
enrages (6) Food for 1 days	18	6	
(5) Lutrenching tools are canned on battery			
(1) Cool ng wiensils	10		
(2) Baggage (3) Ammunit on carried in service wagons	198	20	
(1) Camp equipage	281	30	
	waramenta	DALLIA.	

or at 5 manuals per camel, 114 camels would be required with a proportion of space

Major H. O. Lewer Communding I let Royal Artillery

The meght to be carred in the aggregate by a loxicity of artillary according to it excluded down in order usued by the Guerter Master. Genual's Department duted Smit, 20th September 1878, nould be, including four days food for new and tere days grun for horses, about 900 mounds. The world included.

- (1) Camp equipage, 60 maunds
- (2) Baggage stones &c , 218 maunds
- (9) Ammunition for 2nd line, 30 camels (500 rounds and gan in receive ammunition column)
- (4) Cooking utensils, 2 camels
- (a) Gooding accounts a con-
- (6) Food, four days', 15 camels
- (7) Two days' gran for horses S camels
- or 125 camels in all. This is without spare which should be calculated at 10 per cent, and without considering followers

Major W W Murdock Com manding E & Royal Herse Art 1 I stitch a form showing the different weights and number of camels required under each I enting. I have calculated the strength of the men at 140 which may the as many men as are ever hilly to be available for certice and as many as it would be necessary to take —

Carrage that no ild be required for the underwentioned the is for a battery committing of 140 men and size i of cere

	Desce plan	TTe	ght		√e of camele	Remare
1	Camp compage as laid down for field service can isting of— Tents 10 F P including one guard M S tents of the rounds 21 cens evels— 110 35 Tents 3 staff sengents at 6 mannels 121 septs 18 18 18 18 18 18 18 18 18 18 18 18 18	Ma	unds			
	Tents 5 lescar pals, at 8 maunds 101					
	seers 16 101	146	5	0	29	
2	Baggage, as laid down for field service, as -					
	110 men at 8 men per camel	Ì			13	
Ğ	Cooking utens is at the rate of 2 camels per lattery Lood (for 140 men) for 4 days (not followers at 62 lbs				2	
	per mun)	40	20	0	9	
	Grun for 2 days for horses (178) 89 waters and 89 stud breds	40	0	9	8	
	Seven officers at 2 camels each for equipme and bagginge				11	

Major T M Hazalawa Com munding E 3rd Royal Artillery

By a battery of field artillezy-

(1) (2)	Manu L 187 101	Seer 35 35	Can ele SS 21
(4)	10	0	12
(6) (7)	54 39	88 0	11 8
	893	28	80

Major the Houble A Stowart,

A table showing the transport allowed for a 9 pounder battery Commanding I C Rotal Horse Artillery horse at hillery, is appended

	77	eign	,				53.43		
Nature of Equipage	ч	g	Ìts	Dlephunts	Camels	Mules	4 belled hacker es	Bullooks	Renders
E P tents, 14 S S tents, 5 Lecen pais, 5 Baggage for 157 men Ammuniton, 2nd line? Cooking utensils	70 91 16 71 175	92 13 4	1	77 22 27 79	28 61 37 15 36 12	86	7 11, 1 8 3 9	39 72 1	Only 2 If P tests cm be evered upon each dephant of the plant of the p
Commissaint intions for 157 men for 4 days Grun for 200 horses, tiz, 145 wales & 55 studs	27 47	22 10		3 5	6	14 84	1½ 91	12	
Total	508	31		85	107	74	267	188	

Major C. P. Laurat. Royal. Horse Artillery

I have no bool sto refer to but the total neight nould be roughly 430 mannes but this not idea accorditions not siel about lele i so let at end, and does not include neight of assummation or stores now carried on the carringes

And the transport as follows-

- 10 the triangule as somewhat
 (1) 39 crimels
 (2) 15
 (3) 39 bullocks for second line wagons
 (4) 2 crimels
 (5) Carried on wagons and himbers

(c) three on wygon and numbers
(d) About 5 cumber
(d) 10 cumbs

Resides the allowed by regulation, and required

4 cambs for prulius and troop stores

1 about 1 cumbers

1 about 1 cumbers

2 cambs for prulius and troop stores

1 about 1 cumbers

1 about 1 cumb

- 3 camels for medicines, he-pital records 1 2 bullock cart for hospital furniture
- 1 camel for veterinary stores 1 camel for scales and weights, &c
- 3 cunels for bullock gear

 - 1 camel for bulleck gram 3 camels for 3rd horse blankets
- Mager P PizG Galliner Boral Artillers

I have no means at my disposal, I regret to say, to enaile me to msi et any of these que tous except the one regarding ammunition which I leve already answered to a great extent in right to question to Poper D, to which I would refer. The rumber of make required for the only repmental reserve there is a fundamental \$30 round in the taling a buttahen at 700 miles, would be 35 to 16, according to nature I think I have given the entrage required in all other cases, on the Capta a M. G. Gerard "ad Con-tral lad a Horse

Present st enoth of regiment (Central India Horse) 7 European officere 493 Vitue officer claff and men

Only local trumsports bulled e ris y brek would red ee santeles of regement to 18 , ther per drem although the poures of Anthe rinks car winge 20

One cart = 2 camel lords only on Central India rord

Duropeun off cers, staff Mess Hospital and guard

All Native rinl a already provided with pury entringe by regulation Puropean officers, staff

Mess Not we make Both ranks 100 rounds

1 per soundron In addition to which the sees must be fed as ne hou Horses and baggage falloos

Total 2.3 ponies = To be provided

3 4 10 of crris

No

21 cantel

Br gud er General C. J. Golby Communishing Punjub Frant er

I can only give that council by a regiment of Antise covaler (1) Light cump equipage 34 etmels weight 130 mainds.
(2) Light baggage 47 eamels 6 mules weight 830 minute in-

eled ng was re's stores quarternasters department regunental office (3) 493 Not to officers and on of all rules are easy 40 rounds per mun in hel ter and pouch,
60 rounds per man reserve on in les or 97 550 rounds requiring 27 males weight 674 mannds
(4) Cooking ulenalis require 6 consels a eight 30 mannds

(5) Entrenching tools as non assed to Nature excelly are carried by the men as part of their oquipment

(6) For 493 men of all Native runks at dualy rate per man-

1 seer flour, I chittael glee

2 chritisel s dhall I ehtitack sugar

1 chritisch tabacco-

for 4 days requires 16 camels a eight 054 mounds

(7) For 517 hores for 2 drys at 4 very jer dem morld req are 26 cumels weight 1931 maunds For 253 grass cutters poures at 2 veets per dem 6 cumels, we glat 2-5 maunds Total transport required under the above headings-

Camela Mules

Weight Colonel T G Lengthy Cod Punjah Caralry

53 747 maunds I do not understand the question but I have seen no regulations for camp ep que or luggue for held service in the plans to I am

und le to make any calculation In all scale, jubbled there seem to le me detroction allowed between summer and wanter or Bhootan and Afglaust a, baggage req mements, a hereas of en 100 one 15 past double the other

Colonel J Blur V.C Com posteding last Bembay Lancers.

Bearing Emopen offeers to notifel in Bombiy Regulton that an ever of a compange the me ght to be carried no id is 9 cc fed
(1) Not be offers and men
29 900 (1) As the offers and men (2) Buggige and along home generand followers Lits 731 0.5

(d) Six camels

(4) A l (5) 2 Cunels (6) @ 10 lb per man

+1 S70 (7) 7 797 lbs for 187 harves of thus half is corned a large on the horse and half would have to be carried \$2,890

Camels and carls are procurable here Lautenart-Colonel C. LaTouche

Heavy on toping 63 ermels Commudant Poops Horac Bagg ge melading off em and followers 5.4 Ammention 14 Regrie 1 mule Dritto 2ad do 1 cumel Cool mg atensils 1 camels Armo arer , stones 2 mules Arms of mel. I camel Quartenansier's stores 2 cunels Reament doff on Medical stores 1 camel 3 mules Leterratry stores 1 mile

Stable gen * C et l'et mestal v † Eries carre ge spald b regared Tood for four days for four hundred and fifty five officers, Nature officers, non-commissioned off cannot and file at three lbs per man for each day=5,100 lbs =17 camels Grum for four lam hed and seventy four troop horses and officers' chargers at eight list per day for two days=7.81 list=24 camels. Grain for two hundred and thurty five jones at 4 lbs each for two days=1.680 list ==5 camels.

Making a total of one hundred and nucly seven camels and seven mules, which converted min local carriage at the rate of three camels or seven males to a cut, would give seventy carts or if 1960 Citings of the rise of three crimes or verent must or a rise would give a consistency care on a carried cather) by pomes, of six 1 causes per early, would give a total of four lamide? and twelfy pomes. All the there exhaulted, with the exception of those for food for bores and one, are that from a Charter Master General's encoder issued at the commencement of the late on night from Smile. which are rather under the mark, as pointed out by me m my reply to his letter inviting criticism

L entenant-Colonel J H P Malcolusson Command ng 3rd Smd Hone

- (1) 26 camels 60 camel, including stable gear \$7 camels.
- (3) (4 4 detto (5 (6 2 detto

18 ditto 30 ditto 177 camels,

The S nd Horse could move without more than 60 camels as they ern carry two days' gram and two days' food for themselves on their own camels and baggage aumals

Colonel J Doran, 2"th Punyab Not e Infantry

- (1) Cump equippe us had down for field service in plans, 12a maunds=20 camels
- (2) Baggage equipage as Jud down for field service in plains, 150 maunds=30 camels
 - (3) Aummunition service scale, 150 manuals=30 camels
 (4) Cooking utenuls—Included in the biggage
 (5) Entrenching tools 2 camels
 - (6) Tood for four days for men (not followers), 80 manuals=10
- comels (7) Grun (for horses-eight offeers' chargers), 2 maunds=1 came

The transport is calculated for the kind used locally Sick transport not included

Colonel H S Obbard Command ant dist hate e lafe try

All published in military regulations A regiment of Nitive infantry of ordinary strength, that is, 600 sepoys, with complement of A tive commissioned and non commissioned officers, 7 Br tish officers and a medical officer, employed on service in the plans of India would require, under existing regulations-

Total

131 տուհ

Manuels Com Is Comp of upage, as laid down for field service in the plains-British officers An 12 Native ranks 125 25 Baggage— British officers đ٨ 160 89 Native ranks Ammunition, service scale-0 б 1st reserve 2nd reverse (4) (5) Cooling utensils 40 8 I's trenching tools 2 lood for four days for men not followers 80 18 Armourers' tools Ð Arms of suk Ò 4 Hospital medicine, &e

British officers are supposed by regulation to I eep up tents and carriage for them, so as to be ready to talle the filld it an hour shortee, rule military regulations. But as a matter of fact they do not Except under special circumstances, no currige is lent up throughout the service, British or Indian, and in very many cases tents are not kept up either

The que tion of tents seems to call for consideration. Those prescribed by regulation are almost too heavy and combersome for survive. It would be an almost in the use of survive. It would be an almost in the the several portions could be cantud on mules or bullecks. The Cashnaire in it would do very well for off cers. The funt for British cold ers in glot be noothed and h, liftened with great advantage. Sepoy tent are of bad pattern, and the tert accommod tion is below requirement

Baying - I'le arme serie is regulds British others might be reduced to 4 mounds for f ki off cers and 2 maunds for other

Cooking stens to - The weight of these on service might, I think, he restricted to I maunis per company, fut up in my 1 d bags

Litr of glook-The ener resued a heart and impountable for use It h ince A good, well formed phowerh, worghing not more than 3 seers, and a booded piel, weighing if out 2, would be

Far lighter and allogether more effective. Work would be done much more rapidly with each tools, and then until be a evenue of whost I number in neighbor. A year of cleans (vid.) hoped for the healths, to be factored over an ordinary neck-soldier, would, I think, b. a better arrangement for carrying entraceding fools than the elegant bittle iron kapuses betty such

ssucu										
Il Worley	(1)	Camp Equi	page.					-+		~
errite enement										Carao
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Thlima area								-		•
Pick axes	,	••							480	
	***	3**		•		***		==	240	
Shovels	•••	***		•		***				
		***				•••		=	80	
Shovels	•••		•			•••		==	80	
Shovels	•••						73. 1	== 83	80 2 lbs.	
Shorels Bill hooks		•#	Total				(ds. 1	==	80 2 lbs.	
Shovels		•#	Total		,		(ds. 1	== 83	80 2 lbs.	
	ctive officers an object of the control of the control officers and officers and officers and officers and officers and officers are control of the control	ge. Meers' mess, &c three fifteers Meers' mess, &c three officers Co officers and men togettel generated officers and rison re. Als for 000 tifles to dis for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles to the for 600 tifles the for 600 tifle	II. Worker, (1) Gang Epu Officers Netwee of Segon pi Gentals Hospital Hospital Hospital Hospital General Segon pi Gentals Hospital Hospital General Segon pi Gentals Hospital Hospital Hospital General Segon Segon Pi Gentals Segon	II. War-lar, (I) Gang Epapapa, dean Industry Officers' mess, &c. Sayory tilles Sayory tilles Sayory tilles Georgian Followers Pellowers pr. Heere' mess, &c. three officers and men Application The officers and men supplication The officers and men supplication The officers and sermower which The for 000 rules to ris for 000 rules to ris for 000 rules to ris for 000 rules to ris for 000 rules to ris for 000 rules to the occupanty Themse the convents of the occlose whences weed a during the rules the convents of the occlose whences weed a three occupants The occupants	II. Worker, (1) Comp Empanyar, when headery Officers' more, &co Netwo efficers	II. Worker, (1) Comp Empanyar, dark Industry Officers' mees, &c. Netwo efficers Scopy pilk Gwarlft tests Hospital Pollowers Total pr Total gr ula officers and men sopptial granula officers and armouner Total II. War-law, III. War-law, Officers' mees, &c. Netwe officers Segory talk Gaude tests Hospetal Fellowers Tetal Jet. Total II. Worker, (1) Cony Epusyon, the history (1) Cony Epusyon, the history (1) Cony Epusyon, the history (1) Cony Epusyon, the history in the hi	II. Worker, (1) Cany Epusage. Mide deviate inheatery (1) Cany Epusage. (2) Cany Epusage. (3) Cany Epusage. (4) Cany Epusage. (5) Cany Epusage. (6) Cany Epusage. (7) Cany Epus	II. Worker, (1) Cany Egypaper. Mds Sr- Officers' mees, &c 134 11½ Netwe officers 20 0 Sepoy pills 101 23 Gental' tests 7 63 Hayetal 12 25 Fellowers Nd Total 275 63 Fellowers Nd Total 275 63 Fellowers Nd Total 275 63 Fellowers Nd Total 275 63 Fellowers Nd Total 275 63 Fellowers Nd Total 275 63 Fellowers 179 63 Fellow		

(7) Grain for two days for officers' charmers-

1 md 32 as. or 1 mule.

Total ranged to be carried about 630 manuals excluses of ammuni-tion, and food beggings, &c., of followers Total transport if camels only are used about 150 or 160 camels.

Louisment-Colonel R. J. Walker Communicant I'th N. L. To unswer this question properly, I have had to attach a table -

Taile draws up in answer to question 17 of the Transport namer

	_	_		_	_				
-	Pame		Scale	Wes	ht per mt		negato gl t.	How estimated	Ca.mge
	. Camp squipage		40 pals per regament	Mds		1	Srs. 20	1 1	
	comb idmissa		ao pata per regiment		6_x	110	20	By having the tents word ed Carriage at the rate of a connel per to t.	% comek. Tde scale for feld ser v ce
2	Baggage	٠	Native officers 30 ers	0		12		16 had reathers at)	1
			Aon comm suon ed officers lo	0	15	30	0	30 secrs 80 non comme smon ed officers at 15 secrs	Poermil File
			Seposs *4	0	71	115	20		scal for feld service
			Native declers 30	0	30	1		seem 2 \at ve doctors at 3 a seem	i
3	Ammunitop	•	140 rounds per mun We ght of our 1 900 rounds box	2	13	161	5		83 camels File serieso selás s yace
3Å	Cooking atensils	٠	I camel per company						enmels Tade
6	Entrench ag tools Food for four d	aye.	2 camels per regiment 1 seer vits) per	0		9	10	60 packs and 50 shorels per "	can els P de
	for men		2 chts dal n vn 1 cht gles per cht salt day		83	86	21	tacks a day at one causel	Somels Tas vigitladdom for leanel
7	Gran for herses : two days	for		0	ď	1	21	S of argets at & score gram & a day	
			Total weight to be car red by regiment			533	30	Total Carnage	18 camels

[•] Under 14 cannel per company a lagic et de Handoo reg ment file #0 174 hat ro Infractey so 11 not man per under the norm only the other lown—A if which is continued for any length of the would until it a fe not reserve. In addition to indoor may gib a for much lo headed to the continue for owner of the for my file of the low and the file to other the continue for the register of 10 r files would be 7 men de A every, and the energy response 2 are the file of the file

L enterant-Colonel R. G. Rogars 20th Purpob Antive Infantry (1) Carnage for 220 mauple 488 (2) 524 (3) 22 40 (4) 40 (5)10 ,, (C) 88 , (7) 12

not melading transport &c, for followers

Tb

Incutenant-Color	
Comm nding 24th	Punjah Native
Inlantry	

British officers				8
Patrice officers				28
Non commission	ned officers			80
Buglers				16
Sepose				600
			Mannds.	Cam Ir
1 Weight			150	25
2			100	38
3			154	30
4 Inel ded in l	mergage			
5 Weight not l				2
6			86	18
•			3	1
Total	number of	esmels		115

Total number of camels

Lucierant Colonel G C How creft Communism Letts halore Infantry Four hundred and eighty mounds more and a-half seers, re-

		Mds	Seers			
(1) Cur p equipage	***	82	221	29	earnels	
(a) Bageage		213		42	20	
(3) Ann mina		49		8	, or 20 mule	:8
(4) Cools gricusts		48		8	,	
(a) Intrenel ing tools		10		2	22	
(6) Food for four days		84	277	18		
(7) Gras , two ,		2		10	n	

Total III camels or if the reserve ammunition be carried on mules, then 103 comels and 20 mules

Should only earls be armirble, 32 earls of 4 bullocks each, at 15 mannels per out or 48 earls of 2 bullocks each, at 10 mannels per out, would be required.

B) regulation I caused per company is allowed for carriage of arms, &c , of sick men , and for hospital equipments, at service rate of 11 mounds, two more camels or one more eart would be necessary

I enternet Colonel H St. G Tucker 41st Antire Infantry Isla Supt Imospert Trass 41st N I

With reference to this question, I have reade out returns of the different cavelry and infanty, regiments a brittery of utilitery, and company of supports aboving the constant of carringe that would be required. On one sale of the return is the present straight of the regiment and

page to expens anyong accommon exercise that the terms of the present exercise that the present execution of the color the under the ender the entry of Only the usual bought establishment has been indented for, all and trumport with doolse becores, & , & , hin e been emitted.

I have made out the 10 deats for cumels and males, at that temport corrego is in most use

Indent on the transport department for the under mentioned carriage for the use of a British excelly required

Date

Ĭ		Ills	Cample	Melts	Remarks
	Camp equipage, as laid down for field service in the 1 is us Baggange on image as laid down for field service in the plains	20 203 28,040	,	4	Including medical subordantes, office, grand, mess and horpital tents Including quartermaster's stores, office along unec, signifing instruments, medical stores, stribo gear, arms of
	Ammunition service scale for all arms Cooking utomals at the rate of 2 curiels per batters, 1 per	1,390	G	30	sick at 1 cauel per company, veteri many stores, armonicis' tools Including officers mere and cooking allowances and medical supordumics
Ą	company Enformalising tools, stitles rate of a camela per regunent	1	2		
¢	Foel for 4 days for men (not followers)	9,001			Including off cers' rations
7	Gram for horses for 2 days (at 4 score por dicin)	7,498			Including officers' chargers Note - 60,80 t No = 505, mounds, at 4
	Total	60,854	17	34	maunds per camel =200 camels + 17=226 camels Add 5 per cont spare 11
					237 camels Total carrage required 237 camels, 34 mules

Examined

Lies t and Quarter number

Inent -Colonel,

Commanding
Present strength of a British constry regiment

Date

	British officers	Nature effic ts	Vediral sabouh arte	Ran) and ble	Vatire doctors	Officers 2011/2015	All oil or cump follo vers	Officers chargers.	Troop Losses	I enabra
Present	24		3	450		158	490	63	400	

Examined

Licut, and Quartermaster.

Level -Colonel, Carmanding Indent on the transport department for the smilers critic ed carriage regime I for the see of a holice caralty regiment

Grany righter												
	Lhs	Corncils	Vules	Remarks.								
Cump equipage, as Ind down for field service in the plants Biggage as laid down for field service in the plans.	10,082 13,210	4	8	Including Native dectors office, guard, mess and hospital tents. (Including quartermisters) stores, office allowance, signalling instrument,								
3 Ammunition service scale for all	1	1 1	25	medical stores, stable gear, arms of such at 1 camel per company, veices								
4 Cooking utensils at the rate of 2 cumels per batters, 1 per	400	6		nany stores, armenrer's tools Including officers' mees and cooking allowance								
company 5 Entrenching tools at the rate of		2										
2 camels per regiment 6 Food for 1 days for men (not followers)	913			Including officers' rations								
7 Gram for borses for 2 days (at 4 seers per diem).	2,936			Including officers' chargers Acte —27,621 lbs =310 ph mannds, at 4								
Total	27,521	12	28	munds per comel = 57 cumds + 12 = 99 camels. Add 5 per cent spare 5								
				Total carriage required 101 camels, 28 mules								
Examined Live Gelond, Commencing Commencing												

Present strength of a Kaine capalry regiment

		Date									
	Batish offens	Native officers	Hedreal subord mies	Rook and life	Naiste doctors	Officers cerruits	All other camp followers	Oll cers of argors	Troop lones	Benant*	
Present	8	11		350	2	51	270	17	8.0		

Examined

Lacut Colorel, Commander g Lieut and Quartermaster.

Indeed on the transport department for the under-mentioned carriage reguned for the use of a Dritth tufantry regiment Dus

,					
		Lbs	Contrib	Muler	Re sales
1	Comp equipage, as laid down for field service in the plans	21,096			Including medical embordin ifer, office,
6	Bagerge, as lad down for field a ruce in the plans	22,630	11	1	Including quant emertor's closes, office allowance, signathur emeruments, medical one stable acus, arms of sick the camel per company, aumoarers' tools
8	Ammunition service scale for all			65	
4	Cooling utensils at the rate of 2 camels per hatters, 1 per c mpany	1,100	S		Including officers' mess and cooling al- low ance and medical subordinates
,	Intrinching tools at the rice of		2		
(I of for I day for men, not	11,780		-	Including officers' rations
ĩ	G nn for hors s for 2 dins (at 1 ~25 per diem)	96		٠	Including officers' et argers Acte — 3,702 is = 705 ° 5 maunds at I maunds per cauch = 177 cancis
	Total	56,702	21	66	+ 21 = 195 Add 5 per cent spare = 265 cm ch Total currence required 203 cumch, 96
	and the state of t		ļ		miles

Present discigly of a Br list i fa 'ry regiment

					a			*************		
To the state of th	Brt h offass	A i re officers	Hed col subord nates	Pank and file	Intro doctors	Offic to servants	ll o ber evap- follor er	Officer	Treon Jorses	Reithea
Present	20		5	600		38	gs	G		

Examined

Lieut and Quartermaster

Ine t Colorel, Command g

Indeed on the transport department for the under mentioned carrage required for the nor of a Native infinity regime t

	thym try regime i													
		Libs.	Camels	Moles	Remarks									
1	. Comp equipage, as laid down for field service in the plains	10,818			Including Native doctors', office, game, mess and hospital tents									
9	Baggage equipage, as laid down for field service in the plains	15,190	5	2	Including quirtermast is stores office illowance signalling instruments medi- cal stores stable gear arms of sick at I camel per company, armourers' tools									
9	Ammunation sortice scale for all arms			70										
4	Cooking utensils at the rate of 2 camels per hattery, 1 per com pany	400	8		Including officers' moss and cooling allowance									
ō	Untrenching tools at the rate of B camels per regiment		2											
Ø	Tood for 4 days for men (not followers)	6,034			Including officers' rations.									
?	Grun for lorses for 2 days (at 1 seers per dum)	61			Including officers chargers Acte —32 504 lbs = 400 _u 5 maun.le, at									
	Torec	32,504	25		4 manuda per ermel = 102 connels + 15 = 117 crimels Add 5 per cent spire 0 123 crimels Total currange req ured 123 camels, 79 mules									
		(- (

Examined

Lieut and Quartermaster

Le ut Colonel, Co artende ig

Preu il strength of a Nature: faniry regiment Dire

	Put h officers	Native officers	Med cal physics prices	Runk and file	\ tre doctors	OTeris serviu is	tollone 2	Officers el at _e ers	Troop Iso's s	Pegares.
Present	8	14		690	2	33	43	8		

Examined

Lieut a d Quarterwaster

Lunt Colorel, Commanding Indeed on the transport department for the under ne tunnel carriage required for the use of a lattery of artilles j

			#191116	·	
		Lbs	Cunels	Mules	Remaris
	Camp equipage, is la d down for field service in the plans	9,198			Including medical subordinates' office guard mess and hospiful fents.
5	Bigginge equipings as laid down for field for the in the plains	10,890	3	1	Including quartermacter's stores office allowance medical stores, stable gen, vetermany stores
;	Ammunition service scale for all				Total Division
÷	Cooking utensils at the rate of 2 camels per battery, 1 per company	390	2		Including officers' mess and cooking allowance and medical subordinates
į	Entrenching tools at the rate of 9 camels per company				
- 1	Food for 4 thys for men (not followers)	755			Including officers' rations
	Giain for horses for 2 days (at 4 seers per diem)	1,080		L	Including officers' chargers Note —22 113 lbs — 276 % mounds at 4 manuals per camel — 69 camels
	Toral	22,113	5	1	+5 = 74 camels Add 5 per cent 4
					78 camels Total carriage required 78 camels, 1 mule
-					

Lxamined

Cor manding

Present through of a battery of artillay

DATE

	Brst al off cere	Nalavo officers	Medical redordi nates	Rul. und file	Native docto s	Officers se reals	All other erasy followers	Officers obsuge s	Treop ho ser	Remark
Present	7		2	150		80	867	10	260	

Examined

Major,

Conna sit g

Indent on the transport depart next for the under me strong varings required for the use of a company of
Suppers

		Lbo	Onnels	Mule	Renaris
3	Cimp equipage, as laid down for	3 276	 		Including Native doctors', office, guard mess and hospital tents
2	feld service in the plains Biggige, as hild down for field	3,940		2	Including office allocation medical stores, stable gear, quartermaster a stores
8 .	service in the plains Ammunition service scale for all			9	Statute Be at description inter a source
4	arms Cooking utensils at the rate of 2 camels per battery, 1 per	150	1		Including mess and cooling allowance
5	company Entrenching tools at the rate of		3		
6.	2 camels per regiment Food for ! drys for men (not followers)	1 256			Including officers' rations
7	Grain for lorses for 2 days (u) 4 seers per diem)	32			Including officers' chargers Aste = 7,054 il s = 95 % maunds at 4 maunds per cand = 24 cands
	Total	7,651	3	11	+ 3 = 27 camels Add 5 per cent spare= 1
					28 camels Total carriage required 28 camels, 11 mules
-					Contant

Present Strength of a Compan, of Suppers

	Bnb la officera	Printere officers	Med call subords sates	Ptsl ard file	Patra gocion	Officers Services	All off or events follower	Officers chargers	Treep horses	Penares
Pre-ent	3	2		120	1	13	47	4		

bullook carts

Capterr, Comstandi ig

Major A. C. W. Creeksbank Communishing Street Property I do not reply to that que toon as I am a member of a committee which is thereo gibly notioning all the details out, and which in its report will fully assure this question.

The weight to be certical by a Native regiment would be 627 frameds. The meant of transport necessary would be 41 clephants or 62

Colenal R Blar Communiting 3rd Punjab Katavo Infantry Lacoterrat Colenal P T Base bridge 4th S khr.

NARRYE INCANTER, PURISH PROVIDER PORCE

प्रवास मार्ट क्षाम १३४		
	Manude	Camels
I — Cump equipage 2 and 6 — Baggage and cooking utensits 3 — Armonalion, 19 trouds per man 5 — Extravelyage tols 6 — bood for four days 7 — Grun time days 7 — Grun time days for 40 regionestal mules and 60 camela	112 168 172 8 93	28 43 43 23 23
Total	B015	141
Regiment Leop up 30 males which egird .	**	50 20
Total carnels		75

Therefore it would file easily six extra camels beyond the carriago but up to more the regiment

Colon I W A C b Con mendant La la Madras Naturo Infantra The neight would be about 63,82. Ibs to be exercised in 794 bullock curts and 6 coolers for modicine cheeks as per endoced statement. This is for a Nativo infanity bettaken up to full strength.

Rangings occording to exist ground one to be carried on service in the parties of hds	We git m	No of ents	No of cool es regented.
Cump equipuge as laid down for service in the pluins Brigginge mending medicine cheefs hospital equipment, &c Ammunition service soils for all ranks 200 rounds per man,	11 970 20,615	15 \$21	6
50 of which are eithed by men in pouches Cooling utensis at the rate of 1 eithed (on 4 eart) per companie. Entrepoling tools with er 160 of 2 eithed (or 1 cm) 1 en regiment Pool for 4 days per into, at the rate of 24 lb	11 280 3 700	1S 4 1 9	
Tot 1	65,025	79}	6

The transport should be of the land used leavily, which m the distinct of North Arcot is early with bullocks and cooles

Colonel W Busicemen 4 b Beca bay Laftes	Butish envily Act we envily oury their o in	lbs 151,200
	Rutish refeatly Native infantry	192,490 79,200
	Company cuppers Field batters	11,500

		Cavahy	Cavalry	Infautre	Infanta y	l'ield Battery	Company sappers
(1) Camp equipage (2) Baggage (3) Ammunt on (4) Cook og utenals (a) Intrenehing toels	Country	75 67 7 8	Carry then	100 97 24 4 1	22 35 19	28 23	6 8 2
(6) Food for four days (7) Gram for horses		} Commun	ssaviat iyil	l answer f	his	ι	
Elephanis carry Camels Mules Country earls		· · · · · · · · · · · · · · · · · · ·				I 200 160 200 800	lbs
Ocheck E. H. James Greenwall ang 16th Hombuy Nation Industry	(1) (2) (3) (4) (5) (7)			Camels 42 106 31 2 19	Included Officers	in men s' horses i baggage	baggage noluded m

It would be better to have some of this carrage state instead of camel if possible
Mules or pon as for spais armanation, entrenching tools and men's baggage sufficient for light
order say roughly half a 200 mules in place of 100 camels

Col J I When Comey Goal Bengul.

Purposes for 11 on curr. go s required	Batters of urtillers	Reg areas of British cavalry	Re ment of B stesh infantry	Regiment of Not to minuty	Company of suppers	Regiment of National cavalry
Camp squ page of officers Camp squ page of men Camp squipage for comm s sanat victualling cetablish	20 33	63 85	75 147	26 20	10	28 14
ment Reggage of officers Baggage of men Ammun t on Cooling utens is	1½ 10 23 2	35 62 11 6	2 41 115 19 8	8 304 27	19 3	9 1 11
Entrenching tools Food for fon days Grum for horses for two days Spars at 6 per cont.	10 5	12 25½ 16	8 2 22 23 1 22	18 18	3 1 2	11 21 4
Total	114 570 mds	3164 1 582 <u>1</u> mds	466 ≈ 23391 mds	144 == 20 mu#	ω61 — 182 mds	871 = 430 mds
Gram for bullocks for two days Engineering equ pinent Arms of s ek Armourers tools Field forge	2	9 2 2 2 35	12,	4	20	
Veterinary stores Paul as or troop stores Ti rd horse black ets Scales and wargl is Bullook gear Muse laycoes comm a mat-	1 6 3 1 3	2 35 2			۰	
supplies (daily rations ovens) Spare at 5 per cont	1	9	10 1		1	
Total	19 == 95 mds.	63 31°½ mds.	23k = 11 F mds	4 = 20 rada	213 as 10 \$ mds	
Grand Total	133 = 605 mås	380 = 1 900 mds.	490 == 2 450 mds	148 = *40 mds	58 = 290 mds	8 f == 436 mås

Compa 3 of suppers Reg. and of Rain oca alty Ton Orritoise re- mel-	1 common lant to to ole of the to ole of the to ole of the to ole of the to ole ole ole ole ole ole ole ole ole ol	12.1 to 7 to 1 0 1 to Houritie 14.	Appendix Vo "1 reg & Juning 1.7 galviens P rt II	
Inkery of utility Te ment of M tak coved y Regeneers of M tak feating N a count of Velve alients	FOR OFFICIARY CAR TO OF	1.1.1 keep 1.1.1 keep		

Detail of purposes for which carriage 19 required	Battary of artillery	Regiment of British cavalry	Pegment of Extrah mfautry	Regiment of Nalace infinity	Combany of sappers	Regiment of Native cavalry
Рупеда	Pon Cretoria Comet, 1 may comet, 1 may comet, 2 may comet	For Orerones Canal Literatures of Canal Literatures (S. 1971) Property	Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias Ton Orstonias	Ton Orrugal Canada — of nameds each 8 — for nameds each 8 for the control of the formula each 8 for the control of the formula each 8 for the control of the formula each 9 for the formula each 9 for the formula each 10 for the formula eac	Pos Orricms Centrello Control	For Opportune Canada 1 commyndate delibra — 6 7 Alwardia es -1, 6 yearned 7 cach — 35 remarde of Yearl — 7 You Xin — 7 S bestrict a stantants, 4 1 maxida
	Per Per	1 styff segments class B and Lines at 8 magents class B and Lines at 8 men prof. S I capital subordantes S7 Total 61	8 shaff ergeauts 3 877 men. 4 bospital subordmates 2 7 fotal 115	Total	G G No 452 of 1878	
Ammunition Cooking utensuls B treaching tools	For f) 6 6 6 6 6 6 6 6 6	o No	For S76 men at 130 rounds eeds—118 360 rounds at 8-600 rounds at Henry per caned 38 a 144 46 Bergal Army Regular As per scales at 6 C No.	155 of 1874 1874	For Md wer at 80 rounds coath = 9 130 rounds at 3 305 rounds at canel to 5 1878	For 13 Notive officers and doll man 4.89 man 4.89 men end; ranged from two man 4.80 men and founder) at 3.300 mends per causal
four days	Tood for four days For 150 men 42 21 line X- "Lys = 1-90 line = 20 Run, "Lun! 1-run evel X-1 days = 020 draw, at 1.250 drawn pre-smel 3	Cor 454 men - rud 5 med et al subodimates — 154 despe — 154 despe — 155 despe — 155 med x x 1 manda for 155 despe — 57 Hg	For SSA may and 4 medical and another as benchmarks — SSS men at 24 lbs e-ch×s & dys = 28 lbs = 11 may do = 29	Ormota Chunch of the court of t	Tor 6 Brospann non commissionly officers at 34. He would, 4 days = 69. He would a days = 69. He was seen run a 1. I dann seel, 8 days = 44. Herms seel, 8 central 30. seers + 23, central = 224, 4.	Cometer and men of the state of
	Paragraph 592 Beng	Paragraph 502 Bengal Army Regulations	-	Paragraph 611 Bong	Paragraph 611 Bongul Army Regulations. Enguistic 503 Bongul Army Regulations	lations

			(11	1)
Cantel 11 for memors that es not 1 411 for memors for the same and for seen and X2 days me + 1810 seens on 1204 25				
Correfer Lors to 6 serve each x 3 days == 10 serve each x 3 days == 10 serve each x 3 days == 10		No 280 of 1870		
Cancle To Month brees at 6 secret even X 2 days = 100 secret = 2\frac{1}{2} manufa		As yor scale to G O Wo 250 of 1550		
Constitution Const	G O No 317 of "8th December 1874	30 34 of 1874 0 % 34 of 1878 8 8		
Camels Tor 506 2020 at B stees evel x 2 dry n - 2 050 stees - 1202 manuls 2.32		O 0 to 117 of 1871 At pre-scale to G to 217 of 1875 At 1870 G O No 117 of 1875 At 1870 G O No 117 of 1875 At 1870 G O No 117 of 1870 G O NO 117 of 1870 G O No 117 of 1870 G O NO 117 of	O No 34 of 3871	
Grand for horses for 1, or 200 1 once, which seems also have a 200 100 term and 200 10	Grun for billocks For 69 billod a 14 3 serve for 2 lays server X 2 d. 3 serve 3 d. 5 server 2 for 2 lays	1781 30 TH OF O D 1781 30 TH OF O D 1781 10 TH O D 1781 10 TH O D		
Grym for horses for 2 lays	Gram for bullacked for 2 lays	Arms of s ale Arms of s ale Latifors of trop Tathin my store Tathin and trop More	Rote and weights Bullook ser	

Tide following statement ---

Colonel R A Viore Veing

Statement showing the weight of camp equipage, degrees amountum, for, to be carred by control by the service of the persont catabirited strongly for no vice in the plains of India and

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00 P. serviced of tresport foots for ordere and meet have been calculated recogniting to Relation Simulary Collected to The page 19, and Moditing Army Been kanness to be dated till Angust 1870, he dated till Angust 1870, he (a) To al critica at Mal as lower country exist that mot of conveyor or or existed, at the stateme it as equivalent to the lotal newsiter of elegiants La. is turk country exist that may be neverted. Buth whing bods and iran port have been extensive to a 1900 camels per reposents of constrained refination. Examples and nature and fin proportion for the other arms of the certain N D -1 Comp equipage and treat posts have U en extended a moved ing to Die powert Tobles and Madrey Axwy Resculations

The above have been calculated for the extubit Led strength of corn a us suffered on next page

Mer orandum shoring the relablished strength of corps, & , as takes from Quarterly Arry Lod of 1879

Cours, &c	Firegern commissional off	Nativ commissione 1 officers	Medical sul gen antes	Staff torgonthy	Ture and the commit manual	Mairre uen comm seioned 2:111	Stone lawers (art Hers)	P rekallis	Bhattes	N two extrbl sl ment, houry	Потея	Rywlees
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Reg ment of Native caralty	100	12	2			377		6			330	
Regiment of British infantry	31,		3	8	678	,		16			[
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Bathery of gamesa uri licry	6		1	1	33		7	3				Ĭ.
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^{*} Includes one poling maste

I catenani Calonal M V Willough by Atting Comm sary General Bombay

The required information in given in the necessarying we tabular attentions, which show the weight to be errord under only bed (1) to (7) and the total neight to be concepted for oth regionant. The biggings (and gines for horses, for Niture evenly, regimently is not shown in the stylennet, it with the which registed register of these purposes should

be provided by the regiment itself

REGIMENT, BRITISH CAVELED

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Non commissioned officers 1 ml and		COOLING UTERSILS-	
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Clearl T H 2113 Deputy Comms and Ger rel Despit The following distances shows the weight to be carried by requirents of British crycks, Artine civilis, Britis indicately, Artine industry, britisty of field utility, and company of suppers and numers —

Probable result to be control by the under series of resume is at year at should for antimo in the plans of Irlus

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Prob bl a on it of transport necessary such releases on the el healtings recording to existing rigidities on the following scale

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 Briggage as land down for field service in the plants 	SJ)	8	117	351	213	7	Includes officers' larger to and mes property Page 103 Malatary Begul trons
3 Amountion (service scale for all ares)	13	12	19	39		6	Calculated at 200 rounds per man for infacting and 100 for exceller, paragraph 1101 of B. A. Re- gulations
i Cooking nies ile (it the rate of two camels per batter; and one per company)	G		ь	and the second second	3		Barron
I attendant i ole at the rate of 2 cands for regiment	1		2	1			Fine mules with suitable knyw in per me_n with, is per recent circula
(lood for men for four days	13	11	23	1/4	1	3	order by Commis my General
7 Grun (Krlos e) for two dra-	23	21	1		ol.	1	

Colonel W. J. Brander Official ing Deputy Commissary General Colontia

See the following statement -

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Colonel G J Dalermile Hoy,
Fran iner of Commissanot Accounts Burgal

Statement showing the weight to be carried and the amount of transport required by requients proceeding on field service in the plains of India, under the following headings

	Camp equipage Boggings		151	Аппча	tion	Cool no		Enimachine		Food for four days for n en (not I flor em)		fizal (for larma) for two days		Tet	ıl		
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18 How for could the grass-cutters' nomes in a cavalry remment be made available for regimental transport under a proper system of organization ?

T out General C T Clamberly at Cont. Late Con used 1 ag Outla De 1 THO S

For the lest two years I have been endeavouring to press upon the afterform of Consenses the need for lettering the condition of greekentiers in Indienes and entains regiments, and I suggest that my letters

he uph d for from the all that general a office The trees it burden as may be madecable. They we very touch under run Tey me absort all an delitioning to the heavy losses in pomes, and the only wonder well titley do what they do

I strongly advise that the men le menterel a Government servants, and that the pomes be brought under r gemental de entime authoride et punche to being respect, fel and clothed.

I do not advocate the State providing the round, at I know that the grow outless a ould take less

one of them. It is a section of the lie is introduced in made legislation of an experience of them. It is a section of the lie is introduced in made legislation from green entities, whose pro should be more seed (so proposed on my letter alluded to showed a letter effect of nonestable purely which, out then produced not made there) the lower dealing, with h. Lie of the horses for which great is lower it might be remaind in them is non-done in the Bought or viry, which for years has I cen the only officent branch "e regards trang out

ma regument of Native estably

(1150)

Lent General J Forbes Commonding Miss. D ston

Mayor-General A W Mac at re

C.D Commanding Hyderabad Subs duary Porce

Mujor General R O Bright CB Commanding Metrut Divis on.

Major General H. R. Browne, Commanding Sauger Destrict

Major General J. W. Selme der Gu. Com wu l.n., Aorthern Di v s on Bombay Arm

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Colonel J A Tytler on, TC Command ag 4th Goorkhas

Colonal I Mucdenald Secretary to Governme t Box hay Mil tary Department

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Lon tenant Colonel A C T Hopp Deputy Quart r Master-General

L'entenant Colenel II & I tille, Offic at g Depity Assistant Quiv-ter Master-General

Vajor A A A ha heel Dopaty As utant Quarter Master General

For many reasons I consider that this arrangement would not be ferable

No gress entires' pomes are maintained at the Government expense in the Madras presidency

In a European carely regiment, were tents provided suitable for a pony lord one pony per bouse would enable the regiment to move at a moment s notice provided officers were obliged also to keep up a march mg establishment Some larger tents for hosp tal pur oses would lare to be carried by the commiscernt and also the spice ammunition A Native cryley regument with the same establishment of pones, ought to be enturely independent of any help from any quarter

I could not recommend the proposal These ponies have exceedingly beary work on a match especially

They have frequently long distances to go and heavy loads to burg home, any attempt to utilize them as baggage amounts in addition would lead to a break-down in the supply of the regiment

There are no grass-cutters in the Native cavality regiment in the northern division

I should say not at all at could handly be expected that a pear beavely loaded and marching 12 or 14 miles in the maining would be available for binging in todder during the day

Grass cutters pomes of Butish cavalry and Native cavalry (regular) would only be available for carrying him gent, and phones if req red to laing in grass, otherwise available for carriago in addition to have

I cunnot give an equinon is regards a British cavity regiment, but in a Native corps they could not be more utilized than at present

Having never seved in a N tive carely regiment, I am imable to reply to this question, but I do not see why they should not be so employed

I do not think that the grass cutters' pontes can afford any more ad than they do at present as regimental transport

I do not think this is ad isable or forsible. My experience tells me that no o gra ization will be found practicable by which the grass cutters pomes one be utilized for regimental transport

Gress culturs' pon es un a cavalus regiment, hoth in time of peac and wer not sufficiently well on ployed in the electric to not and could not I consider be made invalable for transport of open as hope in A it we can also regiments t here they are kept up in sufficient numbers for transport work

These pomes could be doubless so used, but their numbers would have to be handly increased above the present complaining

I do not thank that the grass entires' pomes could be depended upon to do much more than is at present demanded from them. As it is ther releve the regul I harroot to a contain extent by carrying the bolding &c, of the grass cutters and ration odds and ends. When the march as a long one, they frequently or it loads of grass from one camping ground to another Otherwise they have to go out for gives after the univil of the regiment in cump which they would hardly be able to do if they had to carry loads on the march | They would, more over, frequently he delayed

Altosether I think the grass entions' pomes are sufficiently hard

worked liveredy let proport — I must premise by stating that grass culturs' points are rever for some unaccountable reasons, used for transport, but I

Capta : W. J. King Horman Deputy Assis and Quarter Master Gen ral s ill en les out to chen hou this e n be done

To commence with, the poures should remain, as they are, the projecty of the men All large Lary our private tents should be descontinued for all arms

All ranks should be served out with made a ketaha. Luch your should be provided with a leather 121 complete, as a commended by the Simbs committee in July 1879 in addition to his

Present comparent
Of the line of march the penies would carry two maineds each, and generate the near would be purch sed by the commissional

In entonmer a the near world go out as a rul for green, but aloud man number of the year or be required to early the Lagrage, &c, of a troo, or squain nordered out for a few draw men and my with the more this column the grass definent oning to their also nee would be supplied by the com-

mesonat However, supposing a regiment merchang on service, full strength, only employing points

or mules for carrage, they would require an additional number 25 officers at 1 mound each tents hight service 450 all ranks, baggage at 1 maund each 114 1 12 jals at 30 men esch 55 2 , for guards 3 , hospital Staff sergerat, and apothecaries in 7 tents of 120lbs each 4 27 Ammunition 6 Cooking utensils Crein .. 10 Hospital stores 15 Quartermaster's stores Torge, &c Officers' mess tents ٠. Stable gear 5 Vetennary stores 4 Mess Followers' tents ß 50 baggage &c

Spare Altogether the regunent would require very nearly double the number of pomes or males that

throughout one regiment beam equive way in any second the paster to perfect the date that they have now, or say one penny to each horse.

In contomicate only half would be required to go for green duly, so the other half would remain in and the men would take the place of the pureant specs.

50

Considering the few moves made by evialry regiments in times of perce, it is very doubtful if this plan nould be an economical one. But in eve of wer its advantages would be enormous

and proposal - to abolish all gross entires with Broksh entaby regiments and batteries of artillery as such and to distribute them, as far as they will go, in the proportion of-

80 or 100 to each regunerat of European infantry,

to n

20 to , better of artillery,
20 to , better of artillery,
40 to , regument of Netwe metuatry,
commonting with the troops forming the northern runy corps.

These to be attached to and to be under the sole ears of, regenerals and batteries. To be the eperly of Government, the men to get its 5 a month pry, using to its 7. The pomes to be fed by the commissionit

by the commencer.

To be previous, founded and marched out once a week with briggings and aummention of their
portion of the regiment or bettery forming part of the movemble columns, and at all other times to be
employed by the commissions department in currying grain, grass, relians, briggings of sintion guards, &c , &c ... My reasons for abeliating the Braish cavalry and utility grass-cutters are

Let -Bocause the same quantity and quality of grass can at all times and places be purchased at

expense and hardship on all concerned

3rd -The themaution in the number of followers,

Amongst the many advantages are the following -

ty, and manage or an moure morses and expense connected with the supply of grass to British evenly, and artillery, while at the same time twing a heavy burden off the remindres and creating a new maj referrible trade for them (1) The saving of all future fromble and expense connected with the supply of grass to British

 The establishment of the nucleus of a transport trun.
 It will be the means of thoroughly training officers, men and mules or ponce to the work required of them on service

(4) It will save the expense of Leeping up camels, &e , in contonments for local commissional purposes, more especially if each station was provided with a few light platform carts adapted for the ponice

Each infantry regiment of the Punjab frontier force has now 40 mides; as part of its establishment, and most certainly all regiments and butternes of the northern army corps should be provided with regimental transport also

In order that this shall be of real use, each regument should have in its possessiontools

Mule sulcetals for lafs

Mule Laywahs for cooling pots Shags for ammunition boxes

And m fle regemental store one puriolls or cross belt and one short sword for each mule driver

· Surjed pile \$2 x 20 nech 15 6] manule

[†] And 65 camels every the tree my man . Abbe talend the Lau 1900 medias on the country there is no so ted to examin

Each driver should be green yearly-

l jumper, 1 pan loose trousers,

1 puggree 1 pur luties, 1 , shoes

The jamper and trowsers to be of klask draft

These old grass cutters as they die or take pension to be replaced by men entertained at the rate of one for every two mimals, and their pouces purchased if good enough

Treatent ri-Color of R III ndell

Sed Hussars

The grees cutters' power with the 3rd Hussans now only number 12. and would be required to move the grass cutters. I think very hitle trusport to ild be got out of them. If grass-entires are done way with, there would be no pomes of this sort with a regiment

Leviens i Color of R. S Cleland 9th Lan cers

I do not see how the grass cutters' pomes could be made waild le, as they earny the grass to be consumed by the horses

Lentount-Colo of Lord R. D her Coursending 10th Rusture

The grass cutters' pomes of a cavalry regiment could not be made avulable for transport of baggage for the following reasons -(1) Gress cutters' I onies are not in them chees a necessary component part of a regiment, a double grass cutter (jorna allah) represents by a

private arrangement two single grass cutters, and for my part I should prefer to go on service with only single grass cutters and no 1 ones, as a more effective urrangement

(3) If employed as a baggage animal, the post is not in a fit condition to do his legitimate work at the end of a day's march heavily laden

(3) The class and stamp of grass cutters' pomes is not of a sort to be fit for the drudgery of bear

ing a long dry's dead weight burden in addition to a pack saddle

(4) His employment on this worl would a consistant the care ago of a large amount of extra torage for the horses of the regiment as well as for himself

(5) The gree-cutters poince me private property (i.e., then own), and no allowance whatever is made by the State for maintenance or labor done

The owner or jornwallah grass cutter morely agrees with the captum of his froop to sumply daily

guass relating for the horse his means of oblizing gass and failfilling his speciment role his troop to brighty that yet as relating for the horse his means of oblizing gass and failfilling his speciment are but so an (6) If males or pourse the property of Government, we emplied to regiments and the entiter that of the careful his relating the same objection as to the cortact oning of the named would hald good, for no amount of feeding which as hidely to be ruthoused in the field would keep animals deag double duty long in working condition

When the idvance from Car damak on Kabul was in proparation, owing to the break down of transport I prepried the joines of the 10th Hussars or 1th or portion of them, to perform such work as baggage animals as they might each be capible of but this was an emergent case under peoplar errormishances, vis that the passes through which we were to force our tay afforded no grass, come quently the power would have no work to do, but were free to be utilized for the moment in any possible way for the publ e good

Le tount Colonel J C Le-Ques e 12th Royal Lancets Major J W Clapla, 6th Has

My regiment has no grass outters' ponies I do not see how it would be fersible to employ ponies, such as mer trough, for a double I mipose I consider that very I ttle resistance from grass outlors' ponies could

Major E A Wood 10th Husetes

be obtained beyond the currage of line gear, picket 1 ost, &c I would draw attention to proposition contained in following ' Notes on Transport," which I wrote with a view of making grass-cutters' poures available for this purpose —

NOTES ON TRANSPORT

It wis most remulable that, lately, on the return of certum regiments from Afghanistra the kired mules and points were in better condition than the Government mules and points that now handed over to regiments

Why was this?

That can easily be answered

Tie hard males were tended by then owners, who had experience in managing them

The Government nules were tended by the cooles that could histily be hired. These men had no interest in the sminuls under their charge stole their grain, did not care whether the mumils were galled or not and were the most difficult men to manage

The regement (Intropera) had little on to previous horseloge of the prelimp much less of the cure and feeding, of largery animals. In severel cases, the animals arrived us to us getting that it he has of the regiment to what they were to be standed—requestly on the ow of a manch lefter dawn. What was the result? Leads helly preled and animals suppreal; and often very mode had the contraction of the contractio overloaded, thereby showing the European sold or it a disadvantage to the N tive troops of the front or force and others who were accustomed to the packing and management of mules and baggage animals

I think it will be agreed, on all sides, that our transport system is far from being what it ought

During the recent cumpugn animals were but alt by commutees only to be condemned by frest committees on reaching the front Saddlery was bully fitted and I knew of a case where several

(1153) Ligginge mimals passed at Peshawar by a committee is fit to service bid a lay or two after their arrival at Jeliainted to be east ye committee us unfit for service and yet these an units had not caused plany load. Officers who reluntee ed for service and who were attached to the transport service might have worked me t zeriou by but t is possible that their experience of the manage

ment of baggage on male was but very of ght.

means on suggestion when a rate we way in grows.

It is given a few that if you know node into set transport service during times of pinco you craned ongest to a gain to so a case of unity as are I will suggest that all transport aloud the done under ray mental a pattern Why shead past all properties in 1 of a pin seas there followed upon and of tensis and tuning out? If the shealth price to large an undertaking could not the cape must be true I will be one grammate in it is Pough and discuss creates to C a month of T S could be observed that he deemed usu table I rould strongly age that every regment be supplied with a certain amount of laggage an male for reserve ammunition and puckyle a cutam number of days' rations, and fiscall tents nere I kely to I e used on e g ordered and lenly on se v ce according to the s tust on of the regiment baggage an mils for the car expuse of the same. If Durot can par the test are in the passes on of regiments a sufficient unit or of camels for the carriage of the same should always be attached to the regunent and although these an male might when not required for remunental work or practice this regiment and valued in the sim make it is not on the depth care for the death of the contract of the process of the makes in the contract of the contract ng to them as well as in the celenty and security with all chither L to tents immunit o &c

age to comit as well as in the comment wine southery wan at on there as o some numbers a south of the many the both and packed. Whating it is constant practice at this last named constant and all enters both to groups made any, and accountly not account for the first name and the south and great accountry and and seather a great accountry and the south and as a country of the south and a seather a great accountry and a seather a great account a first name and seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry and a seather a great accountry as a seather a great accountry as a seather a great accountry as a seather a great accountry as a seather a great accountry as a great accountry as a seather a great accountry as a gr

Instead of paying the loss of the regimental tranger of the regimental tranger of the regimental tranger of the regimental tranger of the regimental tranger of the regimental tranger of the regimental tranger of the regimental transfer o think the Style ould be better served and with very I tile me expense in the end I tile grass cutters were jid Re o per month and were provided will nemath mules f possible by Government wile would of course also feed the same. The extra quantity of laggage annuls could always be used would be constructed to the same "The extra quantity of laggage and a could always be used a construction for the same for extra quantity of laggage and a could always be used a constructed by pulle serve or knot would gently reduce it not always that depends with the greatest one solds column tyrteen.

It is a least ged I know, that it a survagement leads to discussions between the comments in

or other public or u.e. and the comm using officers of greenests to which there is made in the began and that probably reald exact to a light degree with commanding officers wife and of the equation of the an male under the relarge and who rould be upt to the kill at the a male were unfarly worked when taken away from the regment but that would be but a small mitter compared with the gan to the regiment suddenly e detect on severce of being a possession of a complete transport so was the characters of the attendants of the a mais known to their troop officers the men recommend to make up loads and to distribute them everly and to secure them officers are not successful to the control of the c

For a swalty regime 5 400 stoning in the said (set is a shout, the exemiging one on 1) restry calculation only angle of 4 thereof the peritiers magnetical the beganes of none on 4 is Chieble estate together with the regimental number of pixel the same in ton receive forgor and reterminy stores are not referred to an element of stores for the size of the control of the same of the size of

tores (2) armone s (1) on rhermaster's stores (14).

Thus only these CS add too all makes would be required to be enabled to move the whole of the regimental baggage at a fe v ho us' notice

1 excellent exampl

Capia a J A S Macheure, Mb Lau es

I am of opn on that the gress coate a ponce to perform the r date of quely do ld of yl ang ng case size a three marel led to re a mindally more size if there you digo out and he age agas, shock to often fired a fourth on the half age it as During the late operations n Afghan sta the gres cutters' pones eurel the him genr gin hing malls &c which was a great tax on the strength and n | rel the 1 eff c enez

M ye F Kehn tili Rde Boul

It seems practical le but I un mattle to answer the question a deta 1

Maj II g P Po. sou 1º h Post,

They are the age utilized to the atmost during it march of a errity reg ment I le not that that mything would be grand by unt od ac mg then min my system of ten spo t

Ma J H Cam b U SSpd Re went

Refe s only to carril v The grades earthry sy tenn seems an admirable one and to offer

M yo J D Dyson Law e Sitte

Appendix IV]

Colonel C R O Ecuns Con-mand ag Royal Artille 3 Mecrat D v ston

I that they could be much more profitably employed in their levitamate word of hrm, mg m forage for the horses, whether for the com ressarred department on for their regiment ducet. They are not beasts of great burden

I ent. Col I Metchen 3 &

I thou not at all

their number if necessary

Major Bertie Hobart BA N h ten Scenetury to His Crice the Go ernor of Madras

I doubt the ordinary stamp of grass-entiers' ponies being of much use, besides, they are private projecty, and to take them up 'under a proper system of organization' is certain to cost money, which might be hetter had out

Major H. C. Lowes, Commanding I let Boyal Artillery

I am of opinion that it would be better to abolish them altogether and male the grass cutters bring in the grass themselves, increasing

Major W W Murdoch Com mr 11g E A Royal Herzo Art 1 lery

With the present number of pomes they could not be made armidle When a car the regiment marches in an ordinary way the gross enters' ponies have quite as much work as they can do to bring in grass for two borses

Were the number of gress cutturs' pomes doubled, they could of course be made avulable but I lo not see that they would be of much good They might carry the men's lats, but could never carry big tents

cutting and stacking bay in many stations

Major T M Hazelrigg Com mu di g E Sul Royal Arkilery

Not at all It would be next door to impossible for the commissamat to supply grass and troop horses would starte. Added to the

Major the Hoable A Stowari Command og I-C Royal Herse Artillery

the pomes are private property If the pames were the property of the State, they could doubtless be uthired to entry languar and a certain number of days' grain. But I think it would be a very expensive aim gement, who he conomy would soon call for a reduction of after a short trial in time of peace. I feel quite sure an immense swing might be effected by growing grass and

Major C F harme Royal Horse Artillery

I think not worth considering. The grass enters at present earry a large amount of their own Lit on them, and bring in very little grass on the march. If loaded by the State, they would, of course, bring in no grass at all, and would carry only I maund each, while, if lorded to their full carrying power, it would be extremely difficult to prevent the men mu carrying power, it would be extremely difficult to provent the gress celters, from old establist of brilds, from pattern there on that and probably themselves on top of all, and as bretic down the powers. If a better class pony were introduced and supplied, either wholly or in part by the Strice, something might be done, but I believe it would not be a cherny way.

Major P TitaG Gallucy B.A.

I presume this allides to a British regiment. I fear the size of the tents carried would make it impossible to use the ponies to any advantage Cump of upage is the principal baggage in a British regiment together with the commissions states. In a Native cavalry regiment the small tents used easily go on the pomes Only, so far as they do at present, in currying the tents of the arr If these pomies are here by laden on the murch at is difficult to

Leutenant E C. Wase RA No 6 Haram Mounta n Battery P mas Frontier Force.

expect them to go out for grass, as they have to do, on arraying at the camping grounds

Colonel O Walkinson 2nd Bengrit

As the pomes would be only just a fount to carry the men's hit, I do not think they could be utilized in any other way

Colonel H Gough Commandant 19th Bengal Carrier

With the exception of Birt shofficers, and the carriages necessary for reserve, ammunition and Government stoics, every Bengal cavalry regiment has its own regimental transport. But to show how far it can be util zel, I will quote the fact that at the period when an advince on Cabul was critical the two regiments of Bengal cavalry, with the cavilry ir gade of the Kuam force, not only entirely supplied then own regrmental transport, but were also prepared to early supplies and reheve the commissarrat department to a great extent. The gress entters' pomes of British cavilry regiments are of little or no use, heing too small and needy for carriage purposes

Captan M. G. Gerard 2nl Re e ment Central Ind a Horse

They should certainly be utilized for British corps as they are already

for Native cavalry

The former should for service become the property of Government, and, similarly to whit was proposed in answer 16, a second Government totice for rations should be placed in change of each grass entire.

At present "carriage to the extent of that sufficing for a similar

number of Natave evenly is absolutely neglected by British

Bragail er General C J Godby, Commanding Pounds Frontier

The grass catter's pony carnes the horse-gent for two horses, the men's lots and a small tent, and probaby as taken out for grass some distance beyond cump after unival. Nothing more could be expected of the mumal

Colenel T G Kennedy 2nd Pumph Cavalry

Under no system that I know of could they in their present numbers, namely, one between two men be made more available than they are for regimental transport. It they aere doubled it number : c, one to each man, no camel carriage would be required to more a cavalry

Colonel J. Hear Commund m., 13th Bembay Lanters

reg ment, but against the ennels and their attendants dispensed with a 1st he set off the extra pontes and their spees The only pomes that are in a cavalry regiment are those belonging to the sowars, and these are employed on service to carry their tents and

L culcumt Colent! C LaTouche Commandant Poors House

baggage The grass cutters pomes in my regiment are already so available. They are the property of the men of the regiment, not of the grass cutters They are brought up for the approval of squidron commandes before being passed into the regiment, and are impacted by them core a month. Sithabres we held personally responsible that

they are propelly fed and otherwise kept in good condition and if a pony becomes in any way un serviceable, he is at once east and his owner ordered to replace tion No measures appear to me to be necessary beyond such as may secure the supervision above

undicated Ine teant-Colonel F H P Moleci neon Commanding 2rd Bud Herm

The baggage animals of the Sund Hoise are kept up and hought and replaced at then own expense so that with the exception of ammunition, termental stones and treasure they never require any Gov ernment trusport. In this you may say then animals are made avail-

Major A. P. Polmer Sib Bengul Caraby

this under a propor system of organization, and the same could be done in other regiments I nould advocate returning to the old system of each man Lesping

a your mistered of one beta een every two sounts at at present Hither wore down, a regument of Reagat eventry of 300 mbres taking the field, modal, according to the Chule steely, only require assistance from the transport department to the extent of 55 camels, instead of 139 camels and 38 mailes as at present

Every early officer should keep up two begage pomes, one of which might be available for the mess and be shared generally on the regiment moving

At present, officers are the only individuals in a British cavalry regiment totally unprovided with carriage Colonel H S Otherd Commands and first Kets o Infantry

I am informed that the grass cutters' ponies in a Native cavalry regiment are so utilized

Colonel E Dandy go Commandi ing 19th Native Infantry

I do not quite are the draft of the question, the grass cutters' taitoos are always used for regimental transport, carrying the whole of the men's tents hedding, &c as well as a supply of food on energency

Colonel G W Fraser 896 Autres Infantry

Whether it obtains in the British evenly regiments I cannot say, but I believe they are used for this purpose on the line of march by Native cavalry regiments

L'entennet Colonel B G Regera 20th Panyah Nat as Infantry

Unknown Probably for men's baggage and tents

Lectionan Colored H St. G. Tucker 41st Aut o Infantry late Super tendent, Transport Trans 41st V I

They would be very useful up carrying the men's tenis, &c, and any would be very useful to entrying the metric tents, i.e., and thus sowing a greateful of regimental carringo. At the same time I am of openion that the gross entities power should be under the charge and supervision of the regimental transport officer—the same as the other carijage

Major A C W Creekel and Commanding 32nd Piot terr

Very nearly, I should say, to the complete transport of the regiment of Life and sudeed, if it could not do thus, the ponies should be left behind and the commessant be required to supply losage. So far as I could be ago in the past cumpula, the Native envelopments had as many councies as the infinite, reguments and the points appeared to me to carry Occasionally I saw them returning to camp with bloom, but the camels the followers and their lats: Occasionally I say them retinging to camp with answer, one was considered in writer in southern Afghanist at the condition of the date with the condition of the common of the feet and were really very points energy values so many more men man means not one consumers as no seek one way ready a very sensor serter at a. Pubbly by these gaps as forthcoming, it could be out and I rought in by level blow or f tigue parties as it would be at home. The question of I exping garss entires so buying for ago as a large one, which has often seen deep seed, but is worth acquarge both for person and a u. In one if

Concument merely paid the grees cuttons, now, in addition to this, they have to purchase land and form rills Colonel H Bosrago Comu ai d

Not at all All would be required for emying horse gen of conves, the traps of the cyces and grace for animals

I enterent-Colonel I J. Bosmall Commands. g 2 of S kla Infantry

I do not think they could be withdrawn for transport purposes with-out interfering with the efficiency of the emalty regiment

(1156)

l tions (Colonel F T Barn brive 4th 51ts

I do not thus there amine's could be made mailable for more than the real that do On the hu of man h they cary the all of two owers and their lot es meluling a day's feed, and are daily used to bring in griss, and sometime from long distances

Colonel S Rd or les Co area 1 ing 2 of Bombs; Nat ve Infantis

Gives cutters we to a continue extent already acqueinted with dia plane by bourg under regimental control, they and their points to ld be made a c of and form portion of the transport idlotted to the comp

Leater ant Colonel O V In ner Cornaud og 29ti Hor bay Netne I de der Colo of J | Walles Come stary

I think these might be utilized as they are in cavally regiments of

Ce cral lingsh

the Punjah force

Cole cl R A Monre Acta g Comm ser y General Mad us

Grass cutters pomes are always employed on grass duty. If not wanted for this duty, why keep them at all? Her, would in that eve only a ld to the ring diment of an army. It is on field source they are pulticularly required for the collection of grass

Colorel T II Silley Deposts Cours as 7 Ge eral Beograf

"The gree-entitles" points could not be better employed than to hunging in folder for the horses

(lonel M J Brt for Officents g knowly Com many Gene at Deputs Collecte

In this empage grass enters and their pomes have been worse than useless, they have been an run nbrance I do not see how the ponies, who have to bring on heary loads of se could also be employed in any other way. If as during the

Colonel J Rest Depty Community Govern Le et Crele

griss could also be employed in any other way. If it during the next winter company in southern Afghranetin there is no place to be obtained then of course these poures could take the place of other long. gage numble as carnets of regimental bagginge Never, I fear, as they have to bring in grave daily, whether the

troops are matching or unt

I a groun I Colonel 1 V II at log f Avija & Come severy Ge-Dog f Ne f

The grass cutters points with Native critals regiments no used for companies of biggage on the line of much. But with Emopian civally it would be more difficult to utilize them for this purpose at then would form such a small portion of the required transport and the leads we mostly unsuitable being too hully and heavy. They might, honever, he wed for carriage of a certain number of days' grain for the

Major M. A. Rowlandson Ex am ner of Con musamat Accounts

Country (Nature) in this presidency find their own carrings and it is not known for fur the ponies we available for any data but that of en tyng fornge

Mayor W. L. Hardt Deput; Ass tast. Co un sea 3 Cournel U balls

I see no reason why these ponies should not be used for the purpose pointed out but, useful as these animals are for station voik in the Rengul presidency in the Bombay presidency has as confined for). they are gener lly for nd to be an incumbrance on service, as this man they are generally to make the transmission and the state of the transmission can only be collected in the immediate viewinty of the error. Here pomer and greatly to the difficulty of more inding sufficient food for overlar) house in the field, see e, when they have to be field, as ness found increasing throughout the late compages in so their Afghanishin, they get half the intion of a charger, whilst for all purposes they are practically

Captan T 1 Hoting Deputy hi Ishai

uscless I do not think the grass entires' pomes could be made of much use they are n countries where fodder is scarce obliged to cut grass during the much Native cavelry regiments include their grass entires' penies as part of their carriage and they must often be mean encountered in consequence for that of the rese they would other use bring in

J H B H He Paq Ce e ul 9 pen te dett, Borne Brief g Operto.

I do not behave m grass entiers, as I have already noted in reply to question 12 paper L. Horses bit if gress-cutters are continued they should be double," and the powers might be realised a validle for bugges purposes. Still it must be borne un and that, as a rule, from provide of condition they would be found of hitle use

19 Would it be possible to organize a system of reserved transport which should be used in civil worl, or by inhabitants in time of perce, and only drawn upon when required?

If I the term "civil work ' us d in this prestion well among the civil population of the country is intended I do not thuil the suggestion a fixed to the same time, such day returned of the public on the same time, such day returned of the public on the same time, such day returned of the public on the same time, such day returned of the public on the same time, such day returned to the public on the same time, such day of the same time to the could be me to make the could be me to make the could be same to make the same time to the same time to the same time to the same time to the same time to the same time to the same time, same time time to the same time time time time.

be tallines for merce. Bitle opporter of tangoric toll in milet silleren o tice tens to order po moder po blood consecusions my etc. be. Experence tisper entemps—does mountainly it led an machae always bitte e ed for than those in tick one merks over a month tilker tol

Unit of 10 m I consider gradies was a to jet in 13 I cannot alvo-te landing amants op to 1 die sichon lives and of eight his mantenese of small liber of die much visus I mpo i e ad all i das die dokten unit presentation and och to salt out libe 1 m in 10 m in eet to die 82 e o dibe 2 y

doubtil dive tro ble of collect on hem area in m git be con de abe

Re extense of all as s grad ly d n a ling the meed of ear ge fo any ditance for c l

pu poses. A til e siates in obtibo la di viller combrigo to supply example for field service according to local capab l s Ho no dice tanly be po ble See ny answer to questions ?

I u now W T H es and 11 I coas der that this would be run rich cable

I exempt from red I For Come of on D or C a n

n N re ca of the ignition of the comment in the control of the land from the mbs. this of the control of the co

Adli onal re a l

In compact it pang place could to memor lum No 161 fo the seceta jet the amy of ration concette died lik Ang 4 18 2 I have the homor to onto the follouse

s ggot ne op ou of a t nt lo litele e tian 200 lbs un liteoslo 199 lbs alokibe hem. x nom og lin nitop d bullocks be gjæl a cegla tvand a nock a a nota a lab o In the condition of the e it of so a son s ent on al potons of a test should therefore be well uder the vegitt tinten be aved on one mal

To nuck (100 lbs) to egit of gand chesen ed by the unjuries on the bulleds of to Dece a dit syll as I wan man her of spare b flocks to the place of those that gets ok or

gellel

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nist n stem of press ng c. usge it a found necessa y to do so nde stood by the \ tyes and h n'd bt odf n time a moral

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vacre road ex st

If the system is found to answer, it might be extended, particularly in the camel and mule dis tricts

Celouel J A Tytler, on, ve, Commanden 4th Georkhas

I should say that it would be perfectly possible to organize such a system The carriege so employed to be under the control and charge of the eval authorities, who would be responsible that it should be kept in an efficient state and produced when required

Calonel J Wardenald Secretary to Go summent Bombay Mistary Department.

Yes, if Government me prepared to offer the transport for hire at lower rates than the ordinary carriage of the district could be procured. But the scheme would be worked, if at all, at a loss to the State

Colonel A. H Murray, Deputy Adjustrat General Royal Artiflery in India

The only system I can recommend would be registry, with a retaining fee where permanent transport was not kept up

Lestement Colonel \ G T Hogg Deputy Quarter-Master General Bomboy

Such reserve transport new exists, and would be drawn upon by the military when required I do not think it would be advantageous to attempt any organization of such transport in time of peace

I entenant Colonel H & Little Officiating Depity Assistant Quarter Master General.

Not practically or with any advantage to the State or to the multiry service, and with a heavy standing charge upon the revenues of the country, although no doubt with advantage to the agricultural classes and owners of carriage

Major A A A K nlock Deputy Assistant Quester-Master General

I have forestalled this question (which I had not previously read) in my replies to question 15, where I have recommended that all trusport nameds which are considered fit for service should be branded and registered, the owners being paid a small annual fee as long as the animals remain serviceable, and being required to moduce them when required for Government service

The animals thus selected, or a portion of them, should occasionally be called out for years mine vives, when the directs should be placed under some two tof discipline, and taught to keep almost and order, in addition to a very sample drill. More who lears there was, the bliggestly might read to the property of the and other, in actions to a real annual free, payment of which would be dependent upon their precenting thomselves with their annuals when required. These who showed exceptional solvity and mittade for transport dates might receive a somewhat higher foe, and be aligible for subordants appointments in the department when the reserves were called out

Probably a good many men who had served to the army nould be forthcoming, and would require

but little teaching Loutenant Colonel B Blundell,

I do not think such a system is possible in India

ard Husears Lagutement Orignel R S Cicland, 9th Lauters

Yes, by (as before said) numbering each village cattle and earts and enlisting so many of the villagers on a reserve pay as would be needed to look after them

L sutenant Colonel Lord R D Rerr Commanding 10th Hussars

Any really effective reserve to be at all times ready for use when required could under no circumstances be withdrawn from field service without leaving a serious gap in the transport or cultivation of the district

In England yeomany houses are exempt from treation, in India, I believe cattle are not taxed an ingreate geometry houses are cample from treation, in Indiv. I house cettle are not taxed, a consquently some retainer's accessive the essent before appearance when required I should suggest that every owner of more than two hould of smallshe cattle be traced so much per month per loss digest which every owner of more than two hould even the cattle before a small per month are required over to Government on his or purchase at a moment's notice. Should be agree to thus, examption from the purpose of poll that, and in addition he should excerve some small paymont per month, as a referent. In the immediate oneighbourhood of a station, earlier may be be to if for guiden-work, considerable, when, it is not the considerable and the properties of great form rather in the neighbourhood, the numbers as any one station would not be very great, though, pechaps, conneighbourhood and the numbers as any one station would not be very great, though, pechaps, conneighbourhood and the numbers as any one station would not be very great, though, pechaps, conneighbourhood.

in the aggregate

Locatecant Colonel J C Le Querne 12th Royal Lancers

Such might be under the executive at civil worl, but the required curts would not be adapted to the habits of the Natures , and besides, if such could be, the wear and tear and mattention to cleanliness would detract from then value and then condition when called into request

Mayer J W Chaples Sth

In large multary statems or extres, such as Calcutta, Bomby, &c., it might work well, but I should say that in smaller statems and cantonments not

Capta n J A S Mackenne 9th Lancers

Yes, I think so, and if, as I suggested (in answer 15), a register of all carts and cattle in each district was kept up, the transport officer in each district, with the assistance of the civil officials, should inspect the register from time to time, and satisfy himself of its accuracy

Colonel J A Ruddell, 12oth

Yes, I was of opinion that a reserve transport might be organized by paying owners of emrages, camels, mules and pomes who could be depended on by the civil authorities a certain monthly or half yearly sum, to place their earnages, eamels mules and pomes at the disjoist of the trusport officer whonever required in time of war or other emergency

Los tenant-Colonel T Russland Communicing 1 oth Fus last No doubt a system of reserve cuttle, Se to be used for these purposes in time of peace might with rith untage be exhibited, or a system of small reserved prynamics to Natives in consequentiation for which their cuttle rold carts the six dones are variable might be tried

L $_{0}$ teams-Columb M. Martine gor 1 18th Foat

No the N two rulegers and farmers would not take erro of the catale without constant supervision, the animals would be badly fed and over world

Maj w F S Terry lut Battalion, 2.th long s Ovn Borderes Yes by a system of registration, by which owners of pack and drought unimits should be remarded for registering their animals for Government service, divided into 1st, 2nd and 3rd class received.

The reserves would be available at given purieds of notice and in different degrees of emergency. The rival government of provinces should be charged with this organization.

Ad lites tal re tarle

I beg to suggest that a more thorough organization of regunental and departmental transport

requirements should be untilated.

In overy stiff office should be inhalated scales for yet ments, and ne every department'd office the same for its over department, this whole being regulated approved, and the inhalated in the drivenment and district offices—the scales being drawn up to sait there our heality only and for different seasons of the ever.

They should be drawn up for four orders of march-

Let -Read order-none or cooly carriage

Cut -Read order-make carriage in tents

2 of —Brouge order—mule earnings to texts 3rd —Marching order—texts carried by mules or in mule carts

4th -Pull service order-any description of carri ge

The let order would melule provisions for three or four days

The 2nd, 3rd and 4th for fourteen days The 3rd order would metade tentage

The differences between the three orders of march, would be represented by distinct baggage and

Thus a regiment intuiting in full mercae order would puralle its transport in from sections to presenting the four different enders of namels. It might be ordered four will in raid order, the following day in might send that for its trevours order laggings: the day ofter for its marching order bug-groy, and the following day for the rannier to complete to full service order.

ang may an magan mean magan gan magan gan sa menore owner magging — mo may were not so incoming order byggray, and the following day for the runniher to complete to full netwer only means. Regimental grants would be the best believed to take of singery battons, only would be left in draya, and it would be treated the same to other army stores, the toops immig the communications burger responsible for the safe excelled?

Mayor Hugh P Poznos 12th Port Quite possible. These in fively a persion of my sobeno, and has been dwell on it seems beight in my assesses to the cather questions in the my page. The insertion temporal would be that for the discontinuation of which its centers would be even a columning fee, the amount, description of the Orly I even gregation of the Dool of the appears tendent and its assessingte, and in those of the ord I untherstor of the district.

Major J. B. Dyson Laur : Sith Regiment The State could possess the power of utilizing available currings in the country when requisite

Major W H. J Clarke 72nd Highlanders I have not a doubt that one could be organized, but I have no suggestions to offer

I think it would be nessible and most useful un organized but the

Cuptain B H Fawcett Signi Fact

I think it would be possible and most sected in management but the workfor such a spition of resource transport would it may depend on the ordain to operation of the local eval authorizon. I think a light tax on bodiest of estitis, where mareth would them be exempted from me, for any trumsport everyt in cases of great neargemy, and from

when the continues of the carbon for any transport control in costs of the carbon and in the carbon control in the carbon control in the carbon control in carbon carbon in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon control in carbon car

Closel C. R. O Broto Command b Boyal Artillery Morrat II 76 to Quite possible but in my opinion irelessly expensive. Government can at any time tako up such transport as any be used ordinarily in early works when required.

While deprecising as stated the establishment of a separate truss or deputation, to be kept up disough of the country at time of peace, the c can be no doubt that the troops attended on an exposed fronter should similarly as the Paugab fronter force, have a complete transport establishment at all times.

(1160)

Leentenant Colonel I Ketchen, Royal Artillers

Trunsport and in earl work in time of peace and taken away (pos ably when most needed) as soon as wer broke out would cause great confusion

If arrangements could be made for its being used by inhabitants an time of peace, at cherp rates on the condition of its being hable to be called up by Government at pleasure, of course this would be exceedingly advantageous as to how to arrange this I can give no suggestions

Major Bettle Hobert B 1 II is inry Secretary to H 2 Green the Go ornor of Madras

I do not think may transport owned by Government could safely be permitted to be used in civil work except within the general supervision of Duropean officials as indicated in the inswer to question 11

If reserve to resport means a certain portion of the registered carriage of the country, probably some reforming fee (a direct outgoing) will be necessitated. It may be ferred that such a system would be a source of constant trouble from the partial restriction of free employment leading to intentional or muntentional evasion Prosecutions would have to be unst tuted - a matter to be deplored and perhaps special legislation would be necessary -a matter to be avoided

No 297, dated Ootacamund, 30th August 1879

From-Major B Hobaht, R A , Mily Sec, to His Gree the Governor of Midris, To-The Secretary, Army Organization Commission, Simla

In reply to your letter No 217 of the 13th instant, forwarding from the army organization commission a sense of questions, I have the honer to return berewith such teplies as I have been

able to draw up in the short time that could be allowed I regret that I have been unable in so few days to put together any detailed schemes as asked for in paper II questions 7 and 8, 9 and 10 and 17 or append such further statements as might have had

ome vide in the present tagenty
The opinion I have hexaded are submitted in case they may claims in with similar expressors
from other offices of the arm

I have assumed that the intention of the questions is to clicit ideas and proposals for economy where it will not decrease efficiency

water it with not oper-conveniently to second my opinion that the organization, equipment and sainting condition of the Eartha postion of the unity of India has resoled a point of completeness which, for all matched purposes, is quite sufficient and well adopted to the central. This satisfactory state of fisings is not, I am sure, essentiable of reduction in the face of modern

military improvements The increased care and attention bestoned on the British soldier of late years, many, improvement are recovered used and relations occasions on the left, but not waste of money, and cannot be cartaled. The manhing and death extracted units the most liberal system will have that these one-causes here been a direct syning to the State, but where the unresump military creatifiation has tended to make at open of that the British within a getting too expansive military creatifiation has tended to make at open of that the British within a getting too expansive military creatifiation has been discovered to only for view permissed by relation (which is us, I believe, in the outly on "recommodation," not only for large permanent brancks (which at some stations have shown unsantary conditions that did not exist in the sampler old buildings), but in now demands for subs disay works, which might possibly, in many instances, have been done without on provided for by other niringements

Annual reputs to the extent lately demanded have, I feel certain, been in excess of what was

absolutely necessary

Rurther, the supply of stores from England has become a very senous item of expenditure, and requires to be reduced by imperative orders that the resources of this large empire me to be depended on as a rule instead of as the exception In a word, I would not curtail any legitimate convenience or comfort to the soldier in this land

of exile, but I would not seek to save him what is samply troublesome from entailing some extra exertion in the matter of bannel arrangements or followers, nor would I supply Lurope goods when coerrors in one motion or representative residences, not notice a supply number good no-county in educe is all intents and purposes equally good.

As regards the power of compleying the soldier without danger to his health, there is the fact that the field artillery is generally the most healthy corps in the country (the cavelry coming rest).

to prove that a pudicions amount of work is a samtary necessity, and therefore economical to the State I should say quite possible It is very much the present system.

Major E F House Commanding C C Royal Horse Art Hors

I do not see why it should not be possible Yes, by paying owners of carriage a retaining fee

Mayor W W Murdoch Com man hug E A Royal Horse Art Kery Major T W Harringg Com-mand up F 3rd Royal Artillers

This is what I have tried to propose in my unswer to No 7 question

Major the Houble A Stewart Command g 1 C Penal Morea Art Berr

m this paper I think it would be easy either to encourage by small payment, or compel every village to keep up a custain number of bullocks earts and moles which should be registered and available as carriage when requir-

Major C F Name Roval Horse Artiflery

ed These would of course be used in civil work when not required by the State Government might possibly subsidize large landed proprietors to a certain extent, on the condition of their keeping a specified amount of carriage in their districts. I can see no other plan

Major P FitzG Gallwey, Royal Artillers

Manor W H Noble, D L.

I do not think it would entwer to have out Government cattle during perce, as the amount would run the risk of being unfed or minred.
A system of returning fees might be adopted, by which the inhabit-

ants of relatinct might be encouraged to keep up a number of transport

Colonel O Will, moon 2nd Hen gal Cavalry

I think that the cayal officers would be better able to answer this question. I have no idea how the inhabitants would co operate in auch a system Undoubtedly this proposition should form part of the scheme of

Colonel H Group! Communications 12th Bengul Cavalry Br gad or General C J Codbr, Con mand up Pu gab Pro teer

transport re organisation It is necessary to assertion, first if the country can supply the necessary amount of carrage for, say, an army of 30,000 men if not, carrage

must be kept up by Government or in reserve Cavil officers will be better able to afford information regarding this latter proposal With regard to the supply of camels, I behave that it might be enormously mereased at a very small cost comparatively. The

breeding of camels is attended with no expense Camel forms might be established at a very small cost and the camels hared out when not wanted to Natives to a gr. it established the means be remembered that camels are not subtle extrace for a very cell chimate, and require great e re and regular grazing. Neither can the crimels be worked to any extent in very bot neither. It is a delutar count but with erre I do not see why they should not work for an aim; as well as they do for the 30 000 Powindas that come from Turkisten to

India and back every year Colonel James Blag 76 Com marrie g let Bembry Loucem

With ponies it is difficult to see to what use in a civil capacity they could | c pat to If the regument had camel carriage, they could be let out on have

L'outenant Color el C L'alloughe Commandant Pos a Horse

I am not prepared to say that such a system is unpossible but I consider that any scheme eml sacing such an idea would bustle with conserve that will define a local did events only be establicated yeared out they difficulties an i could did events only be establicated yeared out they a good many preduced experiments. Reserve transport for an error represents such in encounts store that it is difficult to conceive bow it could be kept up on an organ-

represents such in entermost item term by comment to conceive over a count concert up on an engine space, which the expenditure of youngless as mad observed, and to conceive at would not now up to more serviceable than it or entermost presenters of the country. I think that the contains the entermost increase the contains the co on enlarged bosts

Letters to Color of TH P Mat-tolores, Communiting 2rd Suel Home

Yes I think so The extension of my proposal for regimental transport would virtually be this only in forming a teserve transport it nould be well to have some distinguishing marks on the minutes and other transport. The owners of the transport might be allowed a small

monthly returning, fee, and for the they and also beaut to report the deep their of any transport for their own purposes, whome have to the hard of the beauth to report the deep their of any transport for their own purposes, whome have to the hard of the transport for their general case of the contract of their transport of the transport has the transport has the transport and the second with the therefore their distribution. If this is a would be almost all a period what if it is transport on the feet with the transport and the contract recars the late's or cachine that they were tegrituded as transport and were not to be hansed on used for any purpose create makes great moneyets. I that the nume may work as recognition of their being as it were in Government compley would give the a from hong peaced at different places for the correspondence of the reliable or small parties or other reason would alone male the last on them by Government in case of emergency

quite j opidar I am thand I have given but a very hunded exploration of my ideas but to word them out in deta I would only give minicuse trouble to the commission, and many hetter suggestions will no doubt be received

Major & P Palmer 9th Bought Caralry

A reserve transport would be organized by having all wailable bagginge animals and attendants registered and mustered by circle super-intendents of transport at least once annually at several convenient centres in each encle

A small rok using fee night have to be given for each efficient begging unimal mustered and the numble branded with V I. Further independents should be offered to breezers in the way of prizes

st fairs, and the law taxing bagging animals repealed.

The end departments would have to render assertance and it might be necessary to infinite a penalts or fine on registered owners who failed to ritend musters

Note —It would greatly strengthen us on our rectified frontier if six months' supplies for a divi-sion of all arms were I opt permanently stored at Landa Kotal, Shalugan and Pishin

In case of an advance from either of the points at some future day being necessary, delay that might be dissistant would thus be readed

I believe that three years' supply of gram as always stored in the grammes at Florana in Malta Colonel J. Dotan. Command ng 27th Progab Sature Industry Quite possible I should say, though I am not prepared to say how such a scheme should be drawn out

Colonti H 4 Obbard Communal out 41st hatere Infantry Quite so, but it would not be worth the cost

For service in the plans a system of registry would, I think, suffice without going to the expense of keeping up 1 reserve establishment. Such in establishment could doubtless be organized, and for external warfare, se, warfare elsewhere, the plants and in the vicinity of frontier stations, it is a necessity.

Colonel F Davidnden monding 40th Austrea Infantry

G W Frase 396k No a Infanty

The system suggetted in ans a to quest on 15 would be of this not e bot manals and web eles e ng pr v te prope ty lerd n riv n se by the o nes who we id only be bo d to m ke tiem o er to n so by the ones who we knowly be no a torm be tenn or to the truss of department of he when the rase essee correquel If leptup as the property of Go era ment the naswes to je thous Il different past of the property of the truspert being make ay hole in time of peace for the use of evlan limbility del timent and a so for bulloe tan poses a dreg ment lit insport being sum larly hard out on ce ta n condit ons the en state !

L atenant-Colon | H We 13 C mmand no th As a In

Possible Intumneessary fultanapo twere e, teredas angers ed ans vers 5 and 15 for n e such a sys em t e whole transpot of the count y we ld b avu ab e at the e d nary rates of h e o a e use whe regrent trusport o 16 kept patthe e pense of pr te nd vid als sanggested n ns er ll

Lea nant-Co n Wal Commodant 1 th

I do not know of any my m hel a rese we transport system could boogn zed

L at a nt-Colon Roer 20th Punsb Na 6

Not fo depurtme t for easons allo o give (inswe 11) nor for ag is fo the ese we cattle o d probably lave o be cal din hen nost rea ed for _r ulture

Lant-Close I No an Cumulu Panjab kat o Infa in 2.fth Only by paying a can note a nome way or oil cannot the k that the expense old be belonged by to ad intages

I to tCl lHS G Tuk 41sh If ra Sp n det, 1 ape Pun 41 that o Infan ra

No I do not il not per be Ayres tra sottlere mobit be fent o I edfo saye I o or to bo u o lip tho inhibitation o desent common to some han a tritle mosaldo bella u fed radiume el for o they u t d & no ley to licente o expandence oud asset uto he he pet y se t plos I radial la s to be the cot all though de Go o minent to great expensa In store where it is a good and the control of manners or great control to the nike it is no good tempor so that tey ould the yob ell g to be of tors lite cattle to Government the ever ting the equit

l SBP Bombad 40 klass Insacy

Yes ce to aly (please see my epi es Nos 3 7 11 12 nd 10) Al carriage should be owned by the people not by Governme t to a few e cept one noted the cone dug sentence of ans or No 3 11. could I ways be in cd wh a vanted In cases of e nergoncy t cond be eq staned

Te te m reg mental tanspo t system sam snomer It should be called a gene al to n jot system

Majo A C W C la solt Comm núm, 32nd P neers

Ha dly to a greater extent thu done t present ou ese we being the eattle of the county Ind a six mas that apport of a linds and once cet the meety a matter of time. For merly the vas not felt as reguments coming from a paits of Inla brought the on carage mai al dish else be the tix alice now however utile days of a sys toops a cal unted of the title term and Go ament expect to find a full spip of ea ago at no them are val

T king the earninge ac a e ha e Plep a s These we must e t h and keep to the extent eq ed They are however del cate

and e pens e benefit and il mber to be liph should be ry lin ted
O els - liesen e dec e sing in proportion as til gazing o o lis e being o traited. There are I liand plan cam is al as t sa mm I must form or p me pal least of i ud Go e ment so d range to then abe eq ed st tons eng p has lo co tret dior Due encour

m ut shold sole on to zern u us to breed them ly som u gethen tracts of gaz y lands
C solb lix—Both are lentiful a o er Ind a let be eg stoned at once I suggeste that a standa diattern art be made up tred u ntole l'io ge e al se Compete

ts sho dle e dy and the company neat pats of other and o the fist sign of a alchito e to to go relegible to the season of the season

toper e let the case and being peace the mean sum of the the nameura is soon as an and fore uneartial addition of the gramme and the table in a few and the first owns from a then destroit or forms of 600 to 15 dt mm. In m. and or of forms a then destroit the firmal graduce trapport for 900 to 15 dt mm. In m. and or forms a then destroit the firmal graduce trapport for 900 to 15 000 mm.

Po incl. j cash gots are qualitation sent to Afgha stin we que n be to ery a dear the and the med. The me by english men sent to Afgha stin we que n be to ery a dear

This illicias ggest. To the riem on pittee ge would be merey money the wastee o die o god natee of to an equivile title being following. And o respective of bid g Go erament calle out to end and presse.

of it is glob offinement one one over the man per same of a most mixed as the contract of the lettle for the not. I not the contract of the lettle for the not be not being in a lettle for the not being the contract of the lettle for the contract of the lettle for the contract of the lettle for the contract of the lettle for the contract of the lettle for the contract of the lettle for the contract of the lettle for the contract of the lettle for the le

Appendix IV. (1168)

gone on We need not fear my west of cun age in the fatime. People have only to remember that causes are not all to be get in one spate that they do not ordinarily travel by family, and that, when got they require food and periodical balls, and beauing these points in mand, corriage will always be berthecoming oven for a 1 rge campaign, and do good work under all possible difficulties

Columel H Benarogum Com nam I 10g 4th S khs

Louisment Colonel P T Rambridge 4th Sikks

I thank it would, but that it would be better to buy the citile and hue out to traders, &c , to go within fixed limits rather than to keep up a reserve of hand amounts on a retaining fee.

Colonel S. Elirardes. Command. I de not thank so 1 g & d Heminy bathvo lafa try

Colonel W Bauncemen 6th It might be possible, but not without heavy expense Bombay It fies

Without more information I am unable to sped portively, but it Colonel H H James Com until ing 10th Bombay Antara I featry appears to me there ought to be no difficulty in currying out a system of this hand with the assistance of end officers of districts

Colonel 7 Fubrether Command g 22nd Bombay Native La fantry

If the numeric were to be the property of the inhibitionis, and that they received a small sum annually for enrolling them, binding futty themselves to produce as many writtin a refut in time when regard, themselves to produce as many writtin a refut in time when regard, such a plan melph succed, but it the edite belonged to deverment on the barriers, for I before they would be ever-worked and half starved, and were hard out to the farmers, for I before they would be ever-worked and half starved, and were hard out to the farmers, for I before they would be ever-worked and half starved, and were half out to be a fair for the conceptly because duplets.

a tisrboary way in wheth the might be analoged. My thin it is now conceining whether an extra control of imparting institution on all simplest agentuming to the transport service, modeling reference providing to some extent to young efforts in peace true, and which only is expressed to any catest necessary in time of were fifteen than the control of the compared o periodically

Incut-Colonel O V Tannor Communicating 29th Bombay N X

Not impossible, I should think

Celouel I I Willes Commus

I think not. The printers of the country are mercenny have not the remotest than of patients m, consider it always a gravates to a cit for the State though well paid. Such a system of reserve transport would never be reliable. The owners would the re-reliable The owners would the reliable the power transport to prove the power to be a system of the power transport. called on to serve abroad, would exade doing so by every imagneside

tries, as explained in master 7

I strongly advise that no inhance to placed on the indives of the country for any voluntury sensitionen the very of truspert out of India. All to be relied on most to solely Government

Parasition of the West of the second of the control ungest reasons. Had the turn fixed by me'rs recessary to e up a force as my confidented momentum to Government of 21st fully 1877 been given, the twops would have advanced upperly equipped and canolis and exhibitments or government of 21st full 1877 been given, the twops would have advanced upperly equipped and canolis and exhibitments or government of any follower celebral, missed of the disrigantized way they dul

Colonel B A Moore he my Commissiony General 's dras L'entern t Colonel M. W

I do not think any reserve transport of the kind could be depended on This could only be done by a registration in each district of the

Willo gl by Act ng Conscisoors Coneral Bombay

carriage liable to be called out to serve on eme gency and the system would have to be deviced and carried out by the civil or political officers in charge of districts It might be possible to arrange with headmon of villages that a certain number of cuts or unumla should be available for service, and

Colonel T H S May Deputy Communistry General Bougal,

to pay a small retaining fee, the minutes or caris being mustered by exvil authorities once a year Impossible, I shoull think nor do I are the necessity of proper steps are taken to I now exactly where and in what tame the carts and haggage

Colonel M J B rade Offic & ing Deputy Commission, General Cal T Leer Deputs Coms General I were Circle Beneal

annuals of a district are to be found when wanted Les, see reply to question No I of this paper

Colonel G & Mache u Deputy Community General Lio in Community dispand the Khipber and Kuram Lorers

Possible but unnecessary, unless it is meant to organize binding establishments to supply a reserve I doubt if the people of the country would be found to give employment to Government currence but on puticular lines of country

The cattle in the country we shape anothly to the Government himeg-witness the 60,000 or 90,000 or note hired for recent compagn

he rod there, as well as the road from Thelma (1,200 of them up to Jellichela), the rod there, as well as the road from Thelm (2,000 of them up to Jellichela). The 1,000 of Jellichela (1,000, or 3,000 Cabati camels worked in the hhybra Pvs, organized by commissioned officers,

and worked on my responsibility, on a system which made them equal to 16,000 or 18,000 It was by their means only that we maintained the army in the Khyber when, had the comm sarrat not done it, the vary would have had to leave the apper pass in March let the commissant het meet, I am told, failed I

Lagricular Colonel J V Hunt, Deputy Assistant Commissing General Bengal

The animals would be useless when required, as the generality of Colonel R. Q. Manuscring
Depoty Assistant Commission
Natives do not know how to feed and keep them
General Kaneptee

> I do not thank that such a system would answer. It would be better, in my opinion, to remove, in the case of reserve carriage, the prohibition which is enforced in regard to moveable column carriage agrunst the use thereof for the private benefit of the owners, and only to require such curringe to stand muster once in, say, three months instead

of monthly. The carriege could be effected by readed, so as to prevent substitution of inferent number, and it might be strenked thirt it should only be used wiften extran list of country, and that an energency it should be highle to be called in—say quarter of the smoont within time works, that within five woods, and the whole writing 50 days

Cumels mules, ballocks and corts might, on the above system, be retuined at small cost, for instance, the rate of hire for camels at work being Rs 8, those at give receive now only Rs 5 and if the restrictions to which I have allinded were removed, they would probably be obtainable for Rs 2 or less, on the understanding that when worked, they should receive the full hire, which should further be allowed from the date of their standing muster at the nearest station to the point of assembly

Mujor W Luci hardt, Deputy Assistant Commissary General, Umballa

I am afraid that such a system would involve a great expenditure and would require constant supervision, necessitating the employment of many officers, for, unless stuct surveillance was exercised over the cattle many one or in the probabilities are that they would not receive imparence and attention point to them when they would fall off in condition, &c If the transport officers suggested to be I eptup permanently made themselves thoroughly acquainted with the resources of their districts, there should be no difficulty to obtain the requisite number of transport normals at any time, either by hire or purchase

Capiain T F Hobday, Deputy Assistant Commissary General, Kandahar

Civil officers who know the natives of different districts would liest be this to answer this question. Carringe so kept up nould have to be collected and inspected at least twice a year, and very heavy penalties enforced for its non-production in time of win. It is possible that such a system might be organized in time in such places where camel and a green anger of the mean up one of the same and the system would require report entire staff of officers and Native officers to organize and keep it going, and would tue some time to develope, it could only be organized under advocated an aggestion from distinct oural officers, it any rate to commence with

J H B Haller Deq., General Superintendent Herse-Breeding Operations

Yes, the nucleus of a transport train as above cursorily faid down could be extended in the neighbourhood of large office and towns, where the animals might be used for evel work by municipal authorities, &c, pending their being required for army purposes

Major-Central J Ross, Com-mending Presidency D strict.

The questions embraced in the paper with the heading Transport we of so extensive a character that time has not allowed of my collecting the

information which would enable me to miswer them in detail The extension of rails us bus crussed such a change in the means of concentrating theops that it seems to me undesirable to keep elephants

and comels for moverble column carringe, except at a limited number of important stations.

To the presidence district camels are useless.

For the south eastern frontier a cooly coaps should be organized a like organization would be suitable for Burma or the Malay states, and should be such that at very short notice the corps would

be leady to take the field

be early to take the field

can be early to a field the field

and the early to go and the second of

A system of regumental transport would be advantageous on service and would work well under regimental officers and non-commissioned officers, who should proviously have gone through a course of training and instruction with the transport service

Colonel C. J S Gosph. 5th

I regret I am quite unable to take up the question of transport in the muner suggested by the questions in the paper on this вивресі

I consider that the present system of hiring carriago when required entler for the march or for service in the field is the best prictical plus, and that, with a little organization and method, it will, as it has done lutaerte, mener for internal and external warfare

I do not than, that is most on meaning any furness of a framport department in time of prece, as their would be no regain such for the any furness of a framport department in time of prece, as their would be no regain such for it, and authorit first it would collapse. It is employed from which such fairly time are completely as the such work as include, from would be no advantage, because when we consent ideas in a greater when time ever on the bulleck from, and if their depended on a department and material that would be utilizen as in are time, a those would fail, and thereby come corross determinant to the

I consider that the commusar at depurtment should, as heretofore, continue to enterim the animals required for trusport, whether camels carts or mules, and that they should be furnished on ammans requirem to a virupor a unique canasis care so among and control are summered understant and accordance with a regulation could of slowmere for begging cump dampage, do and that the transport should be divisited when in the field into regimental, dupat treastial general, which impours to me a sound of slown; that there should be repeated officers appeared to elevate of transport of drivisions, brigades and departments and the cofficers responsible for the care and feeding of the annuals, and also for the proper driving of them along the line of march to the officers commanding drivings and bug des and herds of departments
When a long halt takes place, such as occurred at Jellalabad, the transport animals should be

made over to commissariat department to be utilized in bringing up supplies, but only along that part

of the line nevest to the brigade, &c , to which it may belong

As regards movemble columns during the whole source of my service over \$1 years I cranot recollect a might metance of movemble column ever being exercised as such, that is being moved saddenly or even with due notice out into cump but I consider their, cornage being supplied, any regiments should be able to move out within twenty four bours of notice, though perhaps some maissidual memoranence might be eccisioned

There is no difficulty in making use of the grass-cutters' pomes of cavalry regiments for the conveyance of commissionat or other supplies particularly of grun for the horses and all that has to be done is to make over the quantity to the charge of the officer commanding the regiments

Colonel W. Outorn Officentung Comma dant if! Regument, Madras Nat re Infantry

My experience with regard to transport does not warrant my expressing an opinion, beyond that I consider that the transport service should be a separate and special one with men and off cors regularly trained for the work. At present on service officers for transport service are generally taken from regaments, we new and strange to the work, and difficulty and confusion are often the result

I have had no experience of moverble columns, and therefore can offer no opinion regarding them

K.

ORDINANCE

Please state what are the recommendations of the Ordnance Commission of 1874 75, and Ordnance Committee of 1877-78, which have not yet been carried out

Major Gentral Aug er Campbell Officialing Inspector Ge eral of Ordenice and Magnetice Bengal

Very low of the recommendations of the Special Ordnance Communion of 1874 75 have been carried out. Time would full were I to attompt to enumerate all that have not been earned out, but I may enumerate the following -

The meant at Port St George has not been abolished, nor has a new one been built at St Thomas Mount

No sege trues are maintained at Moolian or Kurrackee and therefore the recommendation of the Commission, that at the two abovenamed places 1st class depots should be created, has not been carned out The assend at Perovepore is still maintained contrary to the recommendations of the Commission.

and no new one established as recommended in pringraph 143 of the report of the Commission

No arrenal has been built at Khandwa

A 2nd class amenal has not been established at Bellas. The depôt at Deca Ismail Khan has not been abolished

The equality of correcting Agra vate an arenal has been rendered difficult by the transfer to other departments of a parties of the buildings which formerly enoprosed the unward The ordinance establishment of Negawsh has not been shouldings.

An arsenal is still maintained at Mhow

No new depot has been established it Bungalore within the proposed military post at that station, The gun currage factories are stell maintained in India

The Madras gun carrange factory has not been extended, nor have any steps been taken to place it in a state of efficient defence

None of the recommendations of the Ordinance Committee have as yet been curied out. They have been accepted by Government in then entirely, and an order will shortly appear notifying the approval accorded by Government to the various reductions in the amount of entirance reserves which the Committee have recommended

Colonel S Chron ex * B A. Office I Removal of Madras arsenal to St Thomas' Mount at ug Dep ty Inspector Ges eral of Ordnance and Magne ness Madens

II Russing of Bellary depôt to rant of a 2nd class around III Reduction of Negrosic magazane to a let class depôt (not fally dat for the most part carres out)
IV Reduction of Secun kerded remaind to a 2nd class depot
V Alcohoron of the Hydershell Contingent ordinance depots at Aumangaland, Ellicipone, and

Replace uses go we seep really by Colored Chancer who quest 4 Colored Cashell's recent. The latter officer afterwards requested certain most does one might be made. These have been calcered in staken.

(1166)

VI Reduction of Bangulore muguzme to a lat class depôt (not fully but for the most most ermed out)

Abolition of Cimmuoie depôt (nearly completed) VIII Extension of the Madras gun carring, factors

ATTI Accussion of the actuates spin carriege freely in a state of efformst defence
X. Esting of colour gene enranges made at Undrus and those manufactured at Patchgrid
M. Extension of Windows graponider factory by addition of anothin group of incorporating

mills (The stact ner; has been set from Piglan? but no local expenses lave beet incurred) AII Provision of dupliente buildings and I built complete for the more dangerous processes in

the gunpowder factor;

XIII Efficient defence of the gunpon der fretor,
XIV The supply of horness, saddlery, and recontrements to Madres from Cownpore, the latter

Latery locs and/or is supply of universe, generacy, and accordance as factors show the various, the starty locs and/or 10 supply.

AV Section 1 of report. All thement at soors to assemble rad depolts.

AXI Commensum they threst as Making measuring does not undertal o hudeng, shapment, and is unapart of stores—such latter No. 684 of 26th October 1877, from Secretary to Government of Ladv. Mirtary Departments.

Ladv. Mirtary Departments.

AVII The system of supply of barned, furnitume and supplies to other departments of the later of for use for under consideration of Governments).

AVIII Proposed European and Native establishments of the Madris arenal (This is now under consideration of Government)

re consequences of co-commence).

Al. Proposed system of recomments for intermits and frictories.

X. Dirroposa establishments of three presidencies to be thrown into one general list.

XXI. Proposals regarding pay and mind of fusion establishment. (This is now under consider.) ation of Government)

XXII Master immourer at Rangoon to be replaced by an announce sorgernt ends letter No 1805 of 31st July 1875, from Secretiny to the Government of India Mitters Physarineut XXIII. Abbitton of bloomtony at St Thomas' Mount. (W.B.—2006 Mather an equal steeff was

recommented to be placed there)

XXIV Proposal that posts of assistant overseer and musica overseer in gun carriage factory be held by foremen XXV Permyr

to men in sections:

XXV Perminant establishment (Native) of refusions and laborum in the Madrias factories be gradually, to based and replaced by long overy before control acts to a great calculation of the control

Major Gracel W S. Hatel Inspecter the real of Ordanarea of 1874 75, affecting the Bombay presidency, have not yet been carried ont -

a—Increase of recommodation in Benday arrend only partially carried out I consider the removal of the arrend to Poons preferable

b — Me ntennuce or a lat el 10s depôt at Kuirachee

The Government of India has sanctioned the maintenance of a second assemil at this station

c—Abol ton of Nermuch magazine. Anatts completion of tailury to Acamuch d—Abol tion of Mhow around and the establishment of one at Klandaa.

Government of India has decided to return the arsenal at Mhow Nothing, however, has yet been done towards building a new research is proposed

e—Location of let class depôt in contaminant at Abmedahad Nothing lass jet been done. The depôt is mats old and objectionable position in the city of Ahmadabad F-Reduction of Poons useful and placing a let class dep8t in fact at Kirkee
The reduction of Poons are all is now in progress, but nothing has been done in the way of
building either useful or depot at Author

q —Abolition of Belga in userial The userial has been reduced to a 2nd class depot, and will be entirely abolished when communi

extious with Belgium have been unproved 7—Fast the gru currence factor, divided between Bombay and Poons be closed Nothing his set been done, and I consider at most meaped ent that the recommendation of the

Commission should be curred out

r-Latension of gumpowden fretories by the addition of another group of incorporating mills to erch factors

The buildings at Kukee have been commenced, part of the machinery has been received and part is on its very on Lucland, but woll on the baldings has now been stopped. It is very desnable that the work should be again tal en in hand

The circuit was some one or again acres in masses.

——News on of small arm ammunitars from a state of the circuit of small arm ammunitar from a few circuit of the circuit the Government of 1 ndm l -Circles of supply

The kal ee small atm ammunition and gunpowder factories have not yet been allowed to supply Alcolitan and Leroz pore, which, the tades halley Railway to open. They should be so Mhon assend does not yet at play Sugge or Goorn as --Collection of immunition in a certail programe in each stateon.

Not yet cruiced out

. -D vis on of stat ons ato two clas es as regards camp equipage Partly carr ed out only as more stat one ha e full supply of tents than was recommended by the

Commis on The recom out it one of the Orb ance Comm ties of 18 ? Since not been p bl shed except as regards reser as of smal a mana ton the a recommendation on this s I jest is consequently

the only one that has I eeu car aed out

2 Would it not be more conductve to the efficiency of the nomy of India and more economical in every way if there was one ordinance department instead of three for India?

If denses has Games the Games is seening this question in the different period for in In section General k = k + 1. In some extra extra the coult from the maintenance of chances and k = k + 1. three dust not o in or departments a Ind

Too much stress cannot be lad on the necessity of unifo mity n the patterns of all arlle stores equirel for the troops throughout

Ind a Regiments and but eries located a one presidency a coften call d upon to some in another and to e sental that no deficiences a their equipments als lexist

If n is my does not jewn on procests y g n p ten l we to be manta ned ental ng commide able add month labor and expense a that a systhetisk of a vrong article being supplied to

an indenting office

an inceiting outer in goal to alterations and improvements in fixed eq prient. It is every effect is made to publis e of clumps a pattern to the no chargement of a fance of the the en orderices careed a cover of the three productions careed as cover of the matter is the Lixediancy the Communities in Chief in India 1 we not been comen in criter to the other pre-dumps.

the Communds in Chef in John I was there come in created to the other per dances.

Our mature fill it sto the accessor count of the accessor beyond to come on the countries of

be east all to the other perdenes after it ngeme to be a bear entered into so the pro issue of the

ato es wi of may be deferant

If the ords not lops insent a I desa s wales one responsible 1 d there a dother or is would be shy ated and I have no doubt that the efficiency of the army of Inlamould be considerably me e sed il e oby

Were the nerve set of the tep riment iso to a bis one lead the sen cas of narrant and non commenced officers theo got the legislation and had only be a sible this invition n tine of need ni thus one of t e gre tand e o s neon co cuces we obtress the i du ng tiel to war olde pre catel and the o od one nece by to dirre one o two ar cards of almost the cert where nearly vector all the come os and combodies and see places to be pe form d by oung and sexprenced lands at the crytane ben expenseed a be durat sare

orpoonly eq el Weste tie un beamation of the three odn need pa tene is no ld poe economical in entrangement of the processing of the control of th

but enrelul p e us on m 3 pre ent a ch res its

The sign seem seem seed by an officer also middle to co trol in inalcommended of the needepart-ment of the deminison Promised to be the followed by the poles I last no do by the last if office thy one and result is considerable as a to Go erament and a this direction with an nma gament al lepa iment al rece econ on y m glat be enfo ced

rhangement were never a sign executory may now accome over.

The opposition by fulled of a bank adoption must be live of distributions or ned
registragiles that from the see all follows on ball to one libelle even distributions and the see all follows a collabor and to be even distributions to the see all follows the see all not get the case of common and so in to give 1 on special to be called the case of the cas be I certed to exerce a much discretion nod i get nges o relefs

General C del s we son til sall eet were expressed in the follow ng Depat In w Ges of Onton no 3 rs new M Irs no tens len or no fie proposition made by Colonel Wry ran has votes on the supply of a duan esto e to Iu fon Lyl ad to ree e fo I la te local manufet re of a / / d i e cost le cu s to plee tle o duance dep tu nt of tle tlree

prendences un le cele l Beng 1 -Bengal all er limad d admit dhy on le ding pres le cy' lit I do not bel c the thy miling is aspector come i rectly as to defauls a peace over the other peacle are the wants of Ind a generally would be letter or more clearly supplied than by the present system of free and constant inter communication and of critical dears on the part of all into 11, to use at each offer as far as can be done with prade or and strike; It is samply mosable if I closed Way a proposal could be carred out all out leasuing the authority or responsibility of the impreton proporal could be citted out. He oft leasting the subscript of responsibility of the highest queezed at the mixture p endences or destroy, give effectively of the department in may may. It is Calonel Wry I m: If seems to I awe desuit on the point beat I close not say of at the weeds propose were the atthirty response I by mad effectively to which I caloned scheroped II I may pulge from the amount of rock. I myself have to perform the majester general of Hengal must live in time and thoughts most fully competed. From a cessety I have been oblighed to de tell into an holy days to the writing of this tauce o dered letter If at II mo e extens e jur sil ction than that of the mmense to the so our high the inspecto general of Bengal t present holds only necessary is given to limit have no doubt that the interests of the State will suffer he over the and he rever hard we king he m y be He cannot be east secent and he cannot be omn p esent and if he is made the ordinance store dictato of the cmp re his univo dible mistriles will scener or h ter produce danger and pecuniary loss

(out Pron the list of gusto est appears that it is note plant disconce tradelle I is not file proces it has flands in the I if of more least in uniter of great's parta on All of of what these notices really are not sound file, or dels in the gent on alloop false by the labeless. He was no spir may pear IV elds a necessivable a seem or left to for one of the job it a about tall occurrent, An attension exist deals in two advants and only a label of job it of the label of the control part of the label of the l

i ten of the spectrage of an interpopent of all y each up the interrupt these lease. A first of a thirty in the color processing and in all on soff the least the last of the respective for the last of the last of the set of the tension of the last of the las

not langue a control ex

Wien I fire een of op o I el are ra e as to jutterns or on any ofter special or I ance no te arote cal o las till rece tly take place and gife o lua celente a diffe after one as ally f ll terco f ally dec lol by the now co to level by the spector go out a Bengal (the go Inggress dose; to the Go ex a lof I d.n.). It spect calls there has also libean o by a edepart of talkead on such atterared ring e to gl. 1 (1) 1 1 g an early versional is sported by a congart of the thouse in a concarry in its originate of local for for its laboration and individual for an Indianal to be a covered. I let the local I lead was all upper gifteet, and and the d g to be able with origin y to be given as III to the local for given as a leading to the local form of the series of his beginning to the local form of the loc

If the letter the minde germ of of the direct greated even the rand of the direct great this is possible it at 1 jry to the serve of a lit of over 0 confiner can of law personal Loudely of the above it has not a serve of a lite system of possets by a last one white two by set is the personal Loudes. 18 a f g

Majo Cin a W S Hat k, n j l G era of Ordinace and дија и се се о В адикане Велбау

I do bt much whetler myth ng would be go ned in point of effectory by an amalgamation of the ti ree ordnance departments

An office o we runt off eer ho h I been trained in one part of the country oull owing to difference of ling ages &c finl himself at a loss lensent to notice. The cost of trinsfers on pomoton &c would us no v found in the case of artillery officers be ve y I cavy

The separation of the ordu collsis moreover does not prevent men bing sent from o e predency to er e n the resemble of another eg a v non comma samued officers of the Bornly of Inance department vere se t to ser e a d five are no v serving at Quetta and Kol at mider Beigal com

To only Bombay store in ours are write the Kandal are ege trum

Both non-comm second officers and in ears have been favorably spoken of by office single him they have served

L go q ut tes of riores I are also been s ppl ed to Bengal for the exped tion and I do not that there of the common important same in the supply of there had been only one instead of three lepartments

Is lone as there are three go eraments and three arm as I find three separate departments are required. In the c c t of an appalgamenton of the arms an appalgament on of the orden nee legant. n e ts vould be less of jectionable than it der pre ent e reumstances

Please state what would be the personnel of the administrative staff of the amalgamated deputment, with the dates in detail of each, bearing in mind that the object is to centralize in matters of great importance and involving great expenditure, and decentralize in all details.

Major Grarell Naper Campbell Offic et al. Inspector Ce eral of Ordanno: and Magarines Beign!

If the ordernoe departments of the three presidences are smalgamated, I consider that the perso med of the administrative staff of the amalgamated department should consist of-

I Director general of artiflery in India 1 Trest assistant to director general 1 Second assistant to director-general

I Inspictor general of ordnance I Assistant inspector general of ordnance

In suggesting the title of inspector general of ordnance for the officer entrusted with the duty of supervising the ordinates department in each presidency I do so not only because I am of opinion that the officer occupying such a position is by vittee of the duties required of him, entitled to it but also because even in the apparently slight matter of a name there is a something which creates in men feelings of mide and self respect which institute the efficient and realons performance of duty Ordnance officers are, by reason of them duties not being generally understood, not regarded with favor by the regunental race, however spaceant the latter may be, and thus causes a look of that soldierly pride which is as essential an attribute to an ordinace as to my other officer. As hereafter shown, however, I do not propose that the majoritors general should draw the pay at present given to

officers of that grade

The monthly staff pry drawn at present by the administrative staff of the ordinance department m the three presidences and the mouthly striff pay I propose for the performance of this same unities

m the amalgamented ordnance department are as follows -

The second secon									
	Present monthly staff p. 3		Proposed monthly etall 123			Remarks			
Director general of artillery in India Trist assistant to director general of artillery in India			P	Rs 2,500	A 0	0	Consolidated		
1 Second assistant to director general of artille y in India		***		800	0	0	With regimental pay and allow above		
1 Inspector general, Bengal 1 Deputy inspector general, Bengal 1 Assat, at to inspector general, Bengal	2 500 800 500	0 0	0	1,850	0	0	Consolidated With regenerated pay and allowances		
l Inspector general, Madras 1 Deputy aspector general, Madras	2,200	0	0	1,050	0	0	Consolidated.		
Assistant to inspector general, Madras Inspector general, Bombay Deputy inspector general, Bombay	2,200	0	0	300 1,600	0	0	consolidated With regimental pay and		
1 Assistant to inspector general, Bombay Total			_	300	0	0	allomonoes		
Total 4	9,400	u	0	9 350	U	U			

Beating in mind that the object in forming an analgamated ordinance department is to centralize in matters of great importance and involving great expenditure, and decembrilize in all details, I suggest that the following duties be assigned to the several officers above enumerated as appropriate to 000

Duties of the director-general of artillery in India

1 He will advise the Secretary to the Government of Indea, Multary Department, on all questions relating to ordinance, mumbons of war, and stores supplied by the ordinance department

questions relating to orientance, measurement of war, and source oriented by measurement of the B. It will be insiduly to carefully write the progress of artillary scener and to substant to the Secretary to the Government of India in the Military Department all such suggestions and recommendative to the Government of India in the Military Department all such suggestions and recommendative to the Comment of India in the Military Department of the superment of India in the Military Department of the superment of India in the Military Department of the superment of India in the Military Department of the superment of India in the Military Department of the superment of the superment of India in the Military Department of the superment of the superment of India in the Military Department of the superment of India in the Military Department of the superment of the superment of India in the Military Department of the superment of the mendations as he may think calculated to improve the arms, artillery material, or other ordinance

menerous as per buy displant encurrence of improve the arms, accuracy material, or other ordanice stores of the service to mercase their efficiency or to chespess their manufacture in India.

3. He would have to examine and report upon all questions relating to inventions or proposals connected with the causa, strillery artistral, or other ordanice stores of the service.

4 All commissioned, warrant, and non-commissioned officers of the ordnance department 4 All commissions, winners, and monourmensees wence on the commissions, without the dependency in the desired offers and control or regards appendicusly, improving, franction, and for the control of the world be looked to at the efficient responsible for the conduct of all housest connected with the ordering control throughout the control of the him all questions which might require the decision of a higher authority than their own. The super-

intendents of factories would at the same time be held individually responsible for the efficiency of the crtablishments under their respective charges, and for the proper munitacture and strict conformity to the scaled patterns of all articles constituting the outturn of such establishments. For the interior

economy and discipline maintranced in factories, then superintendents would, of course, be held responsible

6 He should frequently aspert the ordnance manufacturing establishments in India, and, as

he has opportunity, the several areards and depôts

7 The inspectors general of the several presidencies, superintendents of factories, and officers in charge of arganis and depots would have to funnish the director general with all such information and returns as he may require, and report to him then opinion on any questions which he may refer to them

S. Under his directions and orders all ordnance patterns would be seiled on hebalf of the Gov eament of India

9 Tith regard to the preparation of the annual undent on England for orderine stores, the following course need be followed: Statements of the muchanery required to be obtained from Fingland would be submitted to the

director general not liter then 15th June. These statements would be represented for used dreet to the director general by the superintendents of the several factories for their respective factories. and by inspectors general of ordnance for the research and depôts under their supervision

A tabul feel statement of all machines, proposed to be obtained from Ingiand for the ordernes department in India would be submitted by the director general to the Secretary to the Government of India for approval not later than loth July

Estimates of the probable cost of codumne stores for a counts and depois, in anticipation of the demands to be made in a summal indicate on Finghand, would be submitted by inspectors general

of ordnance so as to seach the office of the director general not later than the 20th June

Superintendents of factories would have to prepare estimates of the probable cost of stores which might be required for their respective factories in authorphism of the preprintion of the annual intest on England, and forward them so as to reach the office of the ducetor general not later than

These estimates of the probable cost of ordinance stores to be obtained from England will be collated in the office of the director general, and submitted to the controller of military accounts

not later than 10th July

Requestions for estames steres required to be obligated from England for factories would be prepared by supermitendents of factories and forwarded direct to the director general, so as to road; not later than 15th July, with the view to such of them as might be approved by the director-general being embedded in the animal indext on Lagland.

Officers in charge of argumls and depois would prepare requirements for stores required to be ob trined from Lucland and submit there to inspectors general of endnance, who, after carefully inspecting such requiretions, would be required to forward them to the director general with a coner ing letter, bringing to noisee may particulus in them which mught cell for some if and detailing are stores which has not been included in these requestions but which, in the opinion of the inspectorgeneral of ordanice it might be deemed necessary to obtain. These requisitions would have to be submitted to the director general not later than 15th July

enumited to the director general not reas area to not any.

It is there factory, assend, and depos requisitions a tab all sted statement would have to be one pared in the effect of the director general above my the quantities of the several stores visibilities for transfer and those which no lid have to be demanded tions l'agrend.

On the orders yessel by the director general, the indents on In gland would be jusqueed from tabuinted statement and formulad to the controller of multirry accounts so as to reach that tlus tabulated statement

officer not later than 10th September

Instructions would be usued by the director general for the transfer of stores, if necessar, trum may be selected by the second by the selected ground and selected from the sele hehments

Supplementary requestions for stores on England magnit be submitted by inspectors general and superintendents of factories to the director general only it absolutely necessary but special or supplementary d mands would have to be very emedully examined and restricted in in inber their sail mestors being only justified under exceptional encounstances or unforescen emergency, and the reasons for their ethinesion would have to be fully detailed.

I stimptes of mitcles required to be made in manufacturing establishments would be submitted by officers in charge of aisen is and depots to inspectors general, who after cartfully examining such estinates, and noting what articles should in their opinions he provided, would have to forward them to the director general

The director general would furnish each inspector-general with a statement showing the quanti

ties of each uticle to be supplied from the several factories Estimates for stores to be purch used locally would be submitted direct by superintendents of

factories to the director-general, and by officers in charge of ansends and deputs through unper tors general of orderance so as to reach the office of the director general not later than 1st Soptem The c estimates would, after having been passed by the director general, be returned to the in spectors general and superintendents of factories

The trukes reterred by superintendents of fretanes for the purchase of local stores would be submitted for the orders of the director general. Those received by officers in charge of area its and depôts would be dealt with by inspectors general

The I wiget estimate for the ordinance department in India would be prepared and submitted by the director general to the controller of unlatury accounts not later than 1st November

The elimites full perminent and extra cetal lishments, office rent, stationers, telegrams &c. would be submitted to be director general by superintendents of factories and inspectors general of ordnance for their respective establishments not later than list. September

Appendix .V (1171)

An annual statement of buildings required for factories would be furnished to the director general by say on tendents and those r quired for aneards and depots by inspectors gene at so reach the director general not I fer than let July An unual statement of buildings to be excited would be submitted to the Government of India

by the director general not later than 1st August

An estimate for petty worls to be our ed out in the several factories assemble, and depôts would

also be submitted by the director general to Government He would deal with all questions of army equipments as regards ordnance stores assuing from tune to time under the orders of Government, equipment tables for the several branches of the

The director general would a limit to the Secretary to the Government of Indra, Military Department on arrust report on the state of his department, groung information regarding the working of the department during the preceding year the changes in enjuriment which may have been effected, the state and cost of the mount refur ng establishments and all other matters which he might consider desirable or expedient to bring to the natice of Government. He would a duration ally for its information of Government - definied at terment of the quali-

fications and claracters of the several officers serving in the ordinance department

The assistant director general would not the director general in the discharge of his duties, and the scener assistant would assume tranquing charge of the director generals office in the absence of the later and approxima during said time the countrit work.

One of the assistant's should be a young officer selected in England specially with activeness to his executific qualifications, which should be of a lugh order and such as another out or unaccessing any references being made to the home authorities on subjects of any recent charges effected in adulters missist. Such an officer should be relieved every five years, to enable another younger n an triking his place primed with all the latest principal professional knowledge to be gained in England.

Detres of Inspectors General of Ordnauce

An inspector general would be held responsible for the efficiency of the several arsonals and depôts in his earole and for the carrying out of all instructions he might receive from time to time from the director general

He would have to conduct all business connected with the arsenals and depôts in his circle,

except such as related to the account branch

He would have to inspect the meanule and depôts in his quele trenmally or oftener if

It would be his duty to carefully examine and check, the following documents from officers in charge of area als and depôts before cabmitting them to the director general, giving any further necessary information regard ug them in a covering letter -

I -Statements of machinery required to be obtained

II -Retimates of cost of ordnance stores to be de nunded from Pagiand

III —Requisitions for ordinance stores to be obtained from Lagrand IV —I at mates of detacles required from manufacturing establishments

V - Estimates of wheles required from local markets

VI — Estimates for parameter and extra establishments &co VII — Statement of buildings to be exceed !

He would cheel and pres all tenders and contracts from arsenals and deptits in his or cle

He would be expected to exercise a strict and emetal supervision over the expenditure of the sanctioned budget grant

He would be responsible for the maintenance of the established proportion of stock in the several arsenn's and depote of his circle

He would have to rudit all indents for more thorseed stores and those on payment from regiments, butterses and deputments, and a senal indents, for ranking those on manufacturing est blishments to the director general with his recommendation

He would have to automat mouthly to the director general a statement of the principal ordinance stores in the enter-is and depote within his circle

Stores arming from Lughard for his circle would be distributed under his orders

He would have to submit quarterly to the director general reports on the qualifications and characters of the narrant and non commiss oned officers under his orders and annually a report on the of marions and qualifications of the commissioned officers under his orders

He would have to submit annually to the director general a report on the norking of the brinch of the ords one department in der his supermissa, groung information and stratates on all matters which he mage it cousts discribite to being to the notice of the director general

The assetant respector-general of enduance would and the inspector general of enduance in if e declarge of H his duties and assume change of his office during his absence

Crong or 3 Color A S Circu Officialis* Deputy energing Oxymmetrical prediction Mairas

I am not prepared to give an opmon us to what should be the person iel of the head quarter administrative staff of the department if unale mated in the above of information as to the extent of supe vision and control it is intended to a west in the head of the department

over the advance departments of the other presidences as regards the advansations stated of the minor per messages. I was of opinion that no reduction could be effected in consequence of such as I, markets, as a or, would be rather necessed than descensed by constant returnees and simussion of returns to Bong of There is non ample work for two administrative officers and the angelf office establishment at their disposal

Mayor General W S Hatch Inspector Coveral of Ordenses and Magazines, Bombiy

I think that in the event of un unalgumation of the ordernoe departments in the three providencies, an administrative staff as fol lows would be requeste -

One director general to set as adviser to the Government of Inlin. to examine demands on kingland from arsenals, prepare indents on Home Government This officer would, I think, necessarily move with the nt enther Calcutta or Sunha

One inspecting off or to inspect all meaning and factories penotically, and to make a cert inspect tons when ordered by directing general. He must be an officer of considerable strong and expensive.

One deputy inspector general to each previously to examine committee proceedings evaluate. Une deputy inspected-general in even previously to accumine remainable protectings eventual induction for four new unboundable perquiment labels, randings for distribution of instruct within his providency, and conduct correspondence with best unborotics, and specially one assistant in Bergel, to be attached to the office of the deputy inspector general of the province. I you with these shift I doubt he helder the west could be carried us so well as it present

An inspector general can now tests a partner of measurement and furthers not only at the found inspector, but when there is no yearly the cought made but the case with a director-process in the bead-spector, or an inspector constantly on the move

4 Should not all the military factories be under the chief officer of the ordnance department in India?

Major General Damer Campbell Offic aims Inspector General of Ordnanco and Magazines, Bengal

Certainly I believe very great economy could be exercised if they

I have good reason for believing that at the present time of my writing this answer, were I in possession of certain detailed information which I require before I can commit myself to assume the responsibility,

Imaght prove the perfect practicability of closing one of the grappose factories, if not at once, at no very distant period But I have not thus information or the means of obtaining it, save by presuming a position which the inspector general in Bengal is not entitled to

Colonel S Ci umor u.a. Off-e stang Deptty Inspector Ge rul of Ordnapse and Magazzass

The arguments used by General Cadell against the phening of the endnance departments of the three presidences under one head are doubtless applicable to any similar proposition regarding the factories Unless the factories are under local control, the inspector general would have to refer to Bengal for sanction for the minufacture in the gun carrage factory of attacles of every description, and many delays and much meanvenience might accrue therefrom

In no paper which I have ever seen have I observed the alightent fault from it with the working of the I so paper nature I man ere rece men and a concrete or a mystem perior your varies on the conversing your Materia features. Service more front to be executed which the bestem before a general good spain in children features of the lives premium as has fully I deple and aller whenever possible, our intenser titles reach more reached known, as they always I believe, have been I are more of our muje grait when your control executed by a distant, and necessarily to a certain service more of the most of would not be ba ueful

Major General W S Hatch Inspector t one of of Ordinance and Magazii or Boullay

There is free intercommunication between the three inspectorsgeneral, and so fur as my expendince goes, each of the three has shown thorough willinguess to assist any one of the others so that I do not see my necessity for pleeing the feelous under one head. The only ask under the beginning to be guined as that probably a central uthority would divide the nork more equally between the several factories than is the ease at present.

Please state in detail your opinion of the economy which would result from a central authority, as a director-general of ordnance for all India, controlling the undents on England, the estimates of arsenals generally, and the expenditure on local Will you be good enough to detail the process of preparing and checking supplies the undents on England?

Major General Nap or Campbell Trust av Inspector General 60 Ordeance and Magaz are Bangal

An officer such as a director general of artillery for all India to would have opportunities to received, would be in a position and Government with regard to runninests, equipment, &c , throughout the

entry, and could soluting, such as the successory clays strong the country, and could soluting, such as the successory clays are subjected connected unit such for the ensuleration of it of convenient of it for Hrung the whole of the monetoning solutions souler in a further control, is a could not only know the resources and capacity for work of evek and all the fretones in India, but would be in

only how the resolutes and expands on was at own and it was account in home, so a new and a position to regard to require them with dow regard to requirements and economy.

It would have before how a state eat of the eather teceroes of all stores of ordinance supply available in each and all the theories throughout had, and would have be in a position to distribute available in each and all the theories throughout had, and would have be in a position to distribute them as required, and check the nanceessary demand of any from Lagland

Appendix IV (1173)

With the knowledge in his possession be would be in a position to check in lends on England and the estimate of true also the factoring papers of effectually as decrease cally controlling the expend ture than when this nork adone a timon a math or distract affices a not one of beh is a cl complete information at the disjust of the officers engage I in the work of prejumos those refurns

is regards local supplies it a common, resilting from a central authority would of he so great as a the other two instances. It would gene illy be found that the cort of transferring slote of purely local supply from an a senal when a s uplus existed would be greater than purchasing the

art cles at the stat on when they ere defecent

extens a arm none to for forter a latitude when of a finge

I a process of preparers and cleek ug the indents on B gland in the Bengal prendercy is as

Blank forms of aducts are forwarded to each officer in charge of an arsenal or factory to be filled p and et uned to the rdam ee office

The note in ten fun ishel the e returns comprese the est bi shed propertions to be maintain it

the stock in 1 of the probal is expend to a din on the sum a usy part on of the olds of year and the probable intense in six or at the commencement of # o ext olds of year. And the probable intense in six or at the commencement of # o ext olds of year.

O are the density on g | d | are props of from these returns | d | one of places the req are ments of Pool William and All baland annuals and of the factor es at D in Duni | fil more Corn pre-Campage and latel g rh The other includes it a requirements for the ursenals of lero epore and

To take the latter undent as an example A tab lated statement s prepared howing the proper t on and stock at Perozepore and the proportion and stock at Pesha var and the su plus or det men y

is orlowlated

a runarious.

As the may note the deference are obtained by transfer of stores from the surplus shown in
the offer statement prepared in the same universe for the lower a newate and factor es.

The runa is no definence or note are considered absorbately necessary to be obtained from
England, or match is the tollubbel statement, and from the order a passed thereon the industry or England for the upper a senals s prepared

Co s. 1 S Ch. moor m.A. Offi e t Doy Inspecto Genera of Order no arel-Marromous M. dea

A central a 110 if reasonably a d o had a easts of noury and off centy controlls g the deta to of Inca a at have emple a harveledge of how all rea guiores stad as to quant ter and condits a Only the cotol tepart of has retreaf these stores who has to tad as green-

or toll inject of the ret of these stores and in to the that a present in the store and the store present and the offers a present in the offers as the tent of the store present and the offers are the stored to the store present and the offers are the stored to the store and the store and the store and the store and the store and the store and the store and the store and the store and the store and the store and the store and the store and the store are the store and the store and the store and the store are the store and the store and the store and the store and the store are the store and the st

Ge e al Cadell a opinion on the first pa t of this question will be found in the extract recorded in answe to quest on ⁹

The following is the procedure observed in the prepriation and checking of indents on Engla 1

In the first place on medical of period by the common of polymers and acceptancy or morning on longer i In the first place on medical of period by the common of poly of more melange of the russ all Fort St. George the largest and most important unseal in the Unders possessory i can all of storms one pailly need telf on Logil of a distinction to all the other ordinance, seem is day fits on a given as belonging to the Militims of mance dopo ament. The total domaids inside to bose I on the lost concents of all the side as a list factories and depths as also those of the a senal stell. It is then sent to the s printensents of the es by allows the respective requirments ales toroid and then to warded through the ordnance officer. Mail as researd to the ordnance office. Here it is elected as to non an clat o It s the ent to the examiner ordnance accounts who returns t to the inspe to general of ordinance and m germes off r ha mg use ted in the appropriate t lace the n index of quantity of each article dem intel in the indexit which s at the time n store. In the ordines office v careful calculation a made will the view to easi a than the numbers or quantities of the articles demanded m the mident fie the e of a ke k ad under a priv from home utpl s those of a lie k ad a store on the d to the req is from as mode shall not exceed a five perus supply which it we year a upply s eals lated of ther on the average not. I exper this re of the three years preceding the dates of submass of allent or or the not all expensions of alley was manufactured my most age such date. Of core as an cases n held distinct ellefments a c la d down the demands are regulated with a new to m int in sel nisloull the necessity area torp ting fore or la equation mexes of any established allotment a sat I ctory wason my en for the special and executive demand he my made

ments and I dony versus my, on he is spec as not react, we remain me my mane.
When then makes of a sit for of the overal ratches of the vide of he is defined in the first far be demanded from home in once in one and inticid to fir ear home of only incomparity to craible that offer to once in a time of me in the vide of a cit of domand of a recorded to the period to both. The orange, in Madrian south of section of medical country of the period to both the domand doubted in record of the maje color-general of

ordinance and magazines subject, of come, to my further modifications or alterations which it may in the interval be found necessary to male, and which by reve n of the writed if stores from Inglind or other can es have free wath, to be made within a few days of the final despatch of the indent to the controller of military recounts by whom the document is once more forwarded to the even mer of or investigation to remain the section of the secti discover up, very serious errors in it he would return the indent for further revision but this seldom The unlint, it a I woon from remar's nude i pon it, is subjected to recruising by or lere of the if over, occurs Go eraneil of Lidia

Vayor Greent W. S. Helch Inspe or C. and of Ordinauto and M. guz ner Bombay

I do not than that there would necessarily be my economy from a central authority controlling the indents on Lughard

The proportions of stores to be lept up is now diffinitely laid down. equipment tables for ignments and butteries base I cen published &c so that the demands for store on Home Government can be count regulated. I am of opinion that the excessive demands in former years have been cancel not so much by the want of a controlling authority as by want of standards shoring seal, on which supplier should be lept up. In matters such as peticons of carriages &c. there I is pricheally leen a director general in Bengal for some ye is just. Clauges have been ordered for the three presidencies by the Government of India acting on the advice of the inspector general in Bengal, will out my reference to the offer perdencies and the result of the system has not been idvantageous. I out in retroduct to the outer personnes and the read of respect as to the root in grows 1 would instance the changes in 1 m R M L canneges regarding a coden and non-relative beds the cost neededs it caused by which must have been very great, and the difficulty which reconfly urose short 'brigs-lat' which was only related in cone quence of a reference made by invest, and again the confusion which less at sen about looks and spring turn buckles for automation boxes

cal from which here is ear should looks and spring thin but less for immittation two. It is all the day for general of only non-less which makes of selected officers to assect him. The sear of instructors general might constitute a number consulting body, and if they were allored to do so, I think that there we did it here producingly of missiants than its not the constraint of the producing of missiants than its not the constraint of the missiant produces each or early profess an amount underst (in which store regiment from In. Justim ten methods) on the Bondy researd. These makes in we couldn't sentiment in the ordinates office by the deputy, may every greatly questions being put as to the necessary for general. in the occuracy office by the depath, respector general questions being put as to the necessary for energy principle decrees the occurs, of the demand for a behavior and because. These indeeds are then proved on to the Bondung arsend, which then proposes an indeed for stores required from Li gland, both for itself and other seemile. These decreeds and those from the factories we again criticized in the otherwise of the other seems of the propose, as suit mass them by tem, fart by the is, and existently by myself. When ready, the indeed is easier than exceeding the criminary of other necessaries for whitehom, and subsequently to the controller of miniture accounts by whom would be not the factories of the criticized of the

What will be the approximate saving, present and prospective, if the iccom mendations of the Ordnance Committee are effectually carried out?

Major God Lapter Campbell Offe at ng In jector (se er f. of Ordnau c and Majazzes Benjal

This is a question it is impossible for me to inswer, even by approxim

Tile Government of India by adopting the recommendations of the Special Committee on Ordinates have I believe, been sand from spending appared of £100 000, which would, but for their recommend attors have been spent

I cannot commit my sell by symptomic neces species.

I cannot commit my sell by symptomic provide my committee of the result of their recommendations. There can be serve it no deads that provided no great scheme of procuring now are not all of costs) that from 12-rise are not populated, the relations in the receives of ordinance, outside can receive and are not complete, peoplety cannot be a provided as a sell control of the receiver of the complete, peoplety cannot be a provided as a provider small arm name nutters, be, be, and once our restricts are complete, peoplety had longuat economy in the reduction of one or more of our factories

I cannot give in figures our estimate of mespective energy, but am ready to maker any questions that my be put to me with the view to my establishing my reasons for expecting that savings will result

Colored 9 Class or 7 1 Offg Dy I 4 Gl O & W Wadges

Proceedings of the commutton alluded to not yet received

Major General W. S. Hafel I perfor General of Orderance and M. gazine. Bomboy

I have not yet seen the whole of the papers connected with the recommendations of the Special Committee on Ordinate, and am there fore unable to reply on this point

7 On the recommendation of the Ordinance Commission of 1871 75, ordinary indenis are now dealt with by commissiones of ordnance, instead of being sent to inspictors general What reduction in the office establishment of the latter does this admit of ?

Vagor General Aup et Campbell Others g lifecore e rlos Onl or million no beignl

The office establishment of the inspector general of ordinance has leen reduced by two raditions on monthly silving of Rs 110 celes site file, si-lein less been introduced by it into ordinary indicates are dealt with by commissioners of ordinates. It has been found impossible in the meantime to effect further reductions. The new system under which regimental indents are dealt with is scricely yet in full operation by reason of the difficulty that has been experienced in getting regimental afficers to comprehend it or to conform to orders lately issued on the subject. The late war also has caused the accumulation of indents, which now encumber the table of the assistant to the inspector general of endnance in abnormally large numbers, and it will be some time be-fore the ureus of indents are brought up. They are still coming in dated so for back as November or December 1878

Celonel S Chamer n.a., Offg Deputy Inspe.-Goal of Ordenne and Magazines Madria

No establishment ever existed in the Madms ordnance office for this purpose, the system always in force being that proposed by the Oidnance Compossion

Major General W S Hetch Inspector General of Ordnance and Magazines, Bombay

There are only three clerks employed in the indent branch of this office They are fully occupied, as, although the indents for authorized name ring me any complex, as always an interest of other industries for supplies to keeps your foreign that offer, the number of other industries for supplies to card departments police, voluntieses, is vary large. Moreover, this beamed of the office examines community proceedings of all descriptions, which are very numerous. I do not think that any reduction is all present feeable.

8 Can you suggest any method by which the expenditure on military stores, whether imported from abroad or purchased in India, can be reduced?

Major General Namer Camp bell Olimating Inspector General of Ordinance and Magazones, BragaL

As far as concerns the supply of local stores at stations other than presidency towns, I can suggest no better or more economical system than the one now in force

H tenders from contractors at these stations are very carefully sorutinized and the lowest tenders, except under peculiar circumstances, invariably accepted it may be taken for granted that all articles of local supply will be obtained at the lowest remunerative rates at which they can be supplied

I of course mean by articles of local supply those art eles which can be manufactured or purchased locally, e.g., tents cloth, certain descriptions of rope, &c., &c. I do not include in the term "articles of local supply" those articles which have to be obtained by the contractor from England or from a presidency town og, English thread, screws, Mamilia rope, &co

pressured, news of scanges across, parcey, as must person on.

The former so ordained five manufactures direct, and supplied to the department with only a slight solution to manufacturing rates. The latter have presed through so many hands before being delivered to un arread, that a very considerable messas on their conjuct cost has to be paid convered to un arread, that a very considerable messas on their conjuct cost has to be paid.

converse to a mercuni, total a very connecessate increase on anne conjunct cost and no to juin.
If a possibly, possible that the expendance on account of variables obtained in Endri (except
purely local stories), as well as of many non-presented by packet on Depland magic he reduced.
There are expected side. Emproves farms in Cheestic Markas and Bensley when would goally undertion the duty of providing the ordannee department with some stores at feast from England or

entrance
In Misch 1876 a proposal was submitted to Government by Messus Gillanders, Arbutinnot and
Os for the purchase of store an England and on the Contenent
They propose to it send suggest invoices of the supplies of goods and give the department the
benefit of all trule discounts and allowances of my description for which they might be able to
menting their renumeration being lemited to 24 per cent. commission on cost and charges netwally

Of course, it would be necessary to complete the definis for working out such a scheme, but I dured that by this method, or one somewhat similar, a caring might be effected in the tunual

unreal arts up has melous, or one sourcemes summer, a maning magne se concrete in one content of expenditure of multitary stores, and the delay which now often occurs in the supply of stores woulded.

Butther, it would be unnecessary to maintain the large reserves of many stores now last up in steenals as such stones could be landed in India within air weeks or two months from the date of the

order being given to the agent

other cong green or no ageno.
This, however, is a matter solo which I have not yet examined fully and propelly. I have had
no time to do thus and many other things which might lead to commonly, if I only had more assistance
to get through content word, especially at this time, when the results of the war are telling on the

Colonel S Charmer B s. Offig Dapaty Inspr Geel of Ordeance and Magranes, Madras

I can suggest no method, except that of reducing the present ordered reserves of times, ammunition, carriages, and accountements, &c These alone guide our demands on England and our local purchases

Major General W S Hatch Inspector-General of Ordina are and Magazines Bomboy

I think that the recent orders under which heads of departments inc allowed to procore stores other than purely warlike stores by private arrangement are bludy to cause considerable saving, and am of opinion that this system should be frully tried

I thunk the existing system for local purchase works well, but for heavy supplies, such as that of coal at might be desirable to make contracts in England, or to employ an agent to procure a supply

9. Can you give the Commission information of the system obtaining at the India Office and in the India store deputment for the supply of stores to India?

Major Ceneral Namer Camp bill Officiating Inspector Ge ord of Ordinate and Magazines, Bengal

I am not familiar with the system, but I believe all articles which are manufactured in the different departments under the War Office such as ordinance and small arms, are, as a rule, obtained by applica-tion to the Wan Office direct, to which the director general of slores simply writes after a defirmal received from India is approved by the Secretary of State for India, and says that such and such articles are required. The Wm Office in reply informs if the articles can be supplied. ton 10

Some supplies are obtained by contracts entered into by the director-general of stores at the India Other

Colonel S Charmer B & Offg Deputy Inspecto time al of Origaneound Magne nes Madres

There is no information in this office of the systems referred to, further than from period of the in monthly return of stores under supply It appears that the majority of the stores are provided by con trict, the remander by the War Office

Maj Gonl W S Hatch Insp. Genl of Ord & Mig Bombry

I have no knowledge of the system, except from rumour

10 Do you not consider that a swing might be effected by the supply of military stoles du cot from Woolwich or contractors, without the intervention of the India store department, to the ordnance department at Calcutta, Madias, Bombry, Kurrachee, for delivery to arsenals, and what general arrangements would you propose?

Mayor Gressel Nuper Computed General Control of Oduntus Impacts General of Oduntus Impacts of Oduntus and Magnituse Bargal.

I consider not only that no saving will be effected by obtaining of Oduntus and Magnituse Bargal. India if such a course was adopted

Officers in this country have not the opportunity of ascertaining the best sources from which to obtain stores, and it would be impossible for them, when requiring stores from contractors in England,

to know to whom to upply

And I may add that a very sensors risk would be mearred in receiving stores from contractors

without examination of some kind before despatch from Lingland Very great difficulty will be experienced in rejecting stores after arrival in India, and contractor in Indian with not submit to the stores supplied by them being examined in India without charging for the riel which they meur thereby

To obtain stores supplied by contractors in England through the War Department would be to ment in unnecessity expense of 5 per cent on all stores thus obtained, and in the case of the Wor Department living similar contracts for its own service, the Indian demands would be postponed

I have dready pointed out, in my right a question No. 8, how a saving may be effected you obtained the contract of the contrac advocate on extension of the above system

Arms, ordance, and such stores as are manufactured by the War Department should of come he supplied to Indu from the War Department, but even with regard to these stores, I believe that an examination by an authority independent of the War Department is necessary before the departs of such stores from England

I did at one time feel half inclined to recommend our relying on Woolnich for all stores which Worlvan could steply On second tangely, I than, it is as a nell to have some one to yith the interests of India is the India Office — Much will depend upon the person or parsons appointed to swe case this writefulness— Some one lake Mayor W II Noble of the Royal Artillery, an officer who list the dru opportunity of mal my lumself well required with the working of the coderance department in India, and is at the same time familia with the methol of doing business at home, would be adopted for such a post

Colonel S Charact L.s. Offe D ps Juspir Genl of Ordenneo and Magazines Madins

This matter seems to have been fully considered in the proceedings of the Government of India, Financial Department, dated Simla, 5th November 1878, No 3017

Major General W S Hatch, Inspector (eneral of Ordnance and Magazues Hambay.

I think that as regards material, a caving and better stores might be abtuned through the agency of contractors and would employ load agents, some of whom will procure stores on a very moderate commus sion. I have procured much better iron in Bombry than has been seat by the India store department

I think the intervention of the India store department in procuring stores from Woodwich advisable, manuch as the officers of the department become an are of changes, and are able to after or cancel demands when the dores asked for become obsolete owing to change of patterns

I have known the store department do this

11. Will you state your opinion as to the strength and efficiency of your establishment of warrant officers?

Major General Nep or Campbell Office at ag Tusper or General of Ordnaste and Alagazines Bengal

The established strength of warrant and non commissioned officers of the Rengal ordernce department for duty in assenals and depots

3 Deputy commissiones of ordnance atte 3 Assistant ditto 3 Deputy asst datto ditto 39 Conductors, including 14 permanent conductors

22 Sub conductors \$7 Magazine sorgeants

The establishment should be signify mercased to ensure the efficient working of the department I attach copies of correspondence which has taken place on the subject. At present the supervision is not effective in the Bengal ordinance department, and loss of Government property is inequality

There are many good and efficient warrant and non commissioned officers in the department; come few, I feer, not efficient. These were more of the latter land when I joined the department, but

I have got nd of a good many I attribute westeres medicener there as conneget the warrant and non commessened officers of the Bengal archance department to the weat of careful selection when admitting them into it, and the fact of their not having been subjected to sufficient stempent educational tests before númerou

Late orders of Government amend these defects

Extract from a letter from the Officialing Inspector-General of Ordnance and Magnitus, Bergul, to the Secretary to the Government of India, Military Department,-No 671, dated 17th May 1878

26 The authorized establishment of commissioned officers for the Retablishment of commune and Bong I Ordnance Department 19merille 2

Commussaries of ordennee 1st class 2md ,, 3rd ,, 2 2) 15

ont of whom is employed a tunder agreed, levring only seven for arsenals and depote, and those afform are it present distributed as follows—

COMPRESANTES OF ORDINANCE Tirel Class

Major F V Pyre, R. 4., on leave of assence, medical certificate, six months Captum G Lamb, R. 4., in charge 1 ort William Arsenal

C Course, n.z., in charge Agra Depôt Second Class

Captain J A S Colomboun, a a , in charge Totorepore Arsenal, officiating 1st class S Cargill, it a., proceeding on leave of absence medical certificate, six months. Entre Class

Captain R. Bazuti n a , Tim ber Agent, officest ng 2nd class
n S Murray, n. a , no charge Alkshobad Amenal

11

A. F. Flotcher, 2.4, in charge Peshawan Arsenal F. Gulloway, 2.4, ordered to Fort William Arsenal, officiating 3rd class

Then, therefore an effectively proportions, see Tujana Cargill, a mode one of the large metals will be left with only one officer and at the others the purson commissing will be a newly appointed officer, who will have all his work to levra 27 This establishment of some officers has to supply a lorce of about 109,000 men of all arms, or apprag upwards of 100 stations, and distributed over the whole of the presidency from Calcutta to

Pedianar 28 With such a limited number of officers, the duties count, in my opinion, be 1 ropedly conducted,

or in un time of poice, and to meet the requirements of war, to meet the press of work which extensive operations would entail on our premise, would, with the present establishment be, I submit, impossible 29 I know it may be said as it has been said that in such a case office a could be obtained from

If a utility T hen supposed the stillery efficus could be surred, say two nor such a remai, prosted have ledge of the use of stores, though quir messeany to the wayer performance of the tuttees and pty, is not show sufficient. Until an officer has made hunself ar paranted with the latter duties, he cannot after I much real assessance 80 In addition however, to the number of officers required to reast in eigenis, provision would have to be made for the stray in the field. How are officers to be obtained? A few must inevitably

be talen from assemb, as it is quite necessary that the senior officers with the field train should be acquainted with the defices of supply. But nearly the whole would necessarily be talen from regiments and batteries, and the artilley again would be expected to supply, it not all, the greater portion of the number required. If the mentioners of the present establishment is doubted, I would mythe comparison with the War Office establishment

31 In maling such a comparison, it seems to me to be necessary to take into consideration the requirements of the forces rather then their actual numbers

82. The establishment of the unny m Bengril is about 109,000 of all arms. Of these about 37,700 are British, and the remainder, or about 71,000, are Native troops. But the ordinance supplies.

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to Native troops are less than one half of the supplies to an equal number of British troops. For purposes, therefore, of comparison between the Bengri and Wan Office store departments, the establishment of troops in Bengri may, I think, fauly be considered as equal to 70,000 of the Homo establishment

38 On refrequence to the Army Lest, it will be seen thirt for the comparatively small force in Deland, there are 18 officials of the stee department. The demands on that department from the abole force in Ireland, regular and canabary, cannot, I Lest suce, amount to one build of the demand on the Bengal department According, therefore, to the number in Ireland, there should be about 40 ordereses

officers in Bengal

34 It may, however, he said that the home system of having depôts of stores at all the principal stations necessitates a sugger number of store officers than would be required under the Indian system No doubt it does, but I see that of the 10 officers in Lieland, 10 are at Dublin and 5 at Cork. Striking out therefore the officers at smaller stations, there remain 15 officers for the supply of a force whose requirements, I am convinced, are less than one half of the requirements of the army in Bengal

35 I have taken Ireland as an example of the home system, because there are there no very extensive coast arminents, no stoge truns, and, compared with Bengal a very small force of artillery

36 It may be that the number of stone officers in Lichard, that the number in fact in the whole department, is in crosses of its actual resumements in mesos, and that with but little augmentation its sufficient to meet the coursed of war. If this he so, the anomaly presents itself of an army at bong on a perce locking munituming a since department edeclated with but sight mercase to meet the requirements of war, and mainty in India on a war establishment with a store department insufficient for the endmory requirements of perce

37 I see that in the nor establishment of an army-corps assed with army circulars, dated let December 1877, 29 ordance store officers and 200 non commissioned officers and artificers are included

for a force of 30,000 of all arms

53 Assuming an army corps of sumilar strength required for service in line country, whence I would as I, can not that number but one fourth of that number be obtained of trained officers? Our arsonals, far from being in a position to spare a single officer, would require to have their establishments at once mereased

39 Some officers, however, must be tallen from them, for it would, I submit be utiesly wrong to leave the supply of such a force in the hands of officers unrequainted with the work. For the remainder the artillery upon opposes to be the only resource

40 It may be study that, in estimating the number of officers required for the department, the 0 warmen officers with honorary runk should be tel on into account. I do not think they should. Under proper supervision they are no doubt good subsection ites, but they have no a rule, nother the education

groupe compression any areas of cooled great another these mental figures are consistent as greater from for the responsible differs of a commission of fifther and the deputtment on, we write, only were greatened of the non-commissioned grades of the army. Men whose real and about have already obtained for them the position of staff sergeant, or even men likely to obtain that position, do not join the department. The men therefore, who join the department, and who by good conduct and industry 1125 to the ingher subse dinate grades are not qualified for duties requiring the educated intelligence of the commissional officer. They are solder of the are analyzandered age. Moreover, promotions in the department length states: A configuration of the control of the contr

48. I have stated that staff engenies will not join the department. There is, however, can not worthly exception. A britisely quarterments engenie of high chrenden les replied to be enabled as a consider, and the reason he gas a non-then I van him of Agra was that tho new organisation of the artillers on affected his prospects of further afferencement in the regiment, that he walked to join the

department

43 In my endeavours to show that the present establishment of commissioned officers in the ordnance department is monthement to meet the requirements of the service, I base been retnated by a regard not more for the interests of the department in which I am officiating than for the interests

of the service to which I belone

44 In all that has been done of late years, and so successfully done, to place the namy m this country in a thoroughly efficient state, this important simply department less. I verture to take not merely been allowed to stend stall, but by the action tall in in reducing its establishment of officers has been forced to refregrade. In 1870 commusuates of ordnance were removed from magazines and magazines were converted into depois and made a warrant officer's charge, and the establishment of commissioned officers reduced from 12 to 8, including the trader agent
45 In companing the numbers of the Home and Bengal establishments, I do not wish it to be

understood that I am advocating an establishment for this presidency in proportion to that maintained at home I would not, for instance, recommend that the department should lie so augmented as to be enabled to furnish the home complement of 29 officers, even for one army corps, in addition to those required for its arresteds and dopdis—But I do recommend such an increase to the Bengal establish requires our fit is meet's sind capital. Bid 1 do recommend each or mercess to the Begge is strained much a will alter it of or of officers. Truncal an the duties of supply being sent with in a rang copy without a spring our tracentle. Bid complyment, with beneficial results toth as regular effective methods only our large size of the strain few 5 officers are need to the large strained. Bread Bird broad requires 8, and to the Agra depth, which should, be bound to provide each set with the strained of the strained of the depth, Modelan, Den Issaul Rind. He made a second class warnly proposed. This release the strained of 16 offices in all, exclaims or this timber specific of the strained of th

each of the large arsmals and depôts, and if necessary from one of the mmer depôts, supplying their places by artillery officers. This would give 6 trained officers for the field force, any more that might be required being obtained from the artillery.

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47 The addition I vent a to that a most one too army. It will cert thy place the department, no state of theoregic edits not derug perce the bast will only provide a lost ted number of officers for the field. But well such resistance as may easen by he expected from the art Berry th themshow will thank be for a c flooring.

48 One more subject connected y in the estalled ment of commenced officers I wish to The function of the first state they hould be not only at Heryme. In stiller six posse on protect fro ledge of the latest defuls only to be aquied by perobel intento on month lints. Thus therefor I is bunt most des able that the rule limiting appointments to five years should be stiefly enforced

Copy of aller fo the Off wig I pelo Gueral of O is as a 1 Vaques on Ho gai to its Secreta y
to the Gome i of I i Vita j Depa to et — to 93th lefel leth 1 g at 18 8
In reply to Vii) Depa twent to obs O chance—Ong a retom of 1 th Viz, 1878 celling to 2

statement of proposals to the estall shapent deemed necess by for the ordernee department to Bengal

I lave now the one to submit my proposals for the establed me to of ar spuls and depôts.

2. It will be seen that I have recommended a come leable a case to the establishment of comme same et of hume my comme de in trous is much a rese qui me samenament of comme same et of hume my comme fit is roument liter on et ill h, stifed in its office letto \o 0 i of 1 th laby 1878 I ill therefore early say that the Inon-legge I he same are vid efthen o keep of 0 is day takened a filly could not me n the spine confirmed in the same weet with a bat economical is selfere for the Dern Issay! Khan ammun too dayed not like a pow metric high path economical is selfere for the Dern Issay! Khan ammun too dayed not beca to I consider the tot I umbe then recommended too many but because I do of think that need we always not not it is support then recommended now many that because 1 do not in it into the depth we like good school for a jourge officer and the 1 tile to be done these may rill be left to a study various force of say o grade. The interest therefore now proposed as from eight common search of of induce as recommended by the O the nec Commans on to fitteen.

3 The moreuse of arra tand non commuss one | offers which I have proposed as but small, and is in may of non also taly required for two or super trons.
If I is proposed in whitens I is not a segment for each of the first-clares arreards. There we like another two kinds in september of the other whom the other or all musts, armounters we.

absent on four of inspection 5 In the citalist ment of I sours I have proposed I tile alteration except as regards pay

6 Both in Cule tts and Alla abed where I we men consider big of inte years and good labor ors cannot be obtained at the old test I sed see cely observe that to one re-good men artificers or

labours the may given by Communion to at he man by sometime are or given nor minimum or his beautiful for the give by 12 the establishments. To note that give by 12 the establishments To note that given fully Per day of Per meath of CLASS 20 day a rod 8 Å Rs Å Blodemoth me stree 1 6 0 34 c 6 lated as 33 0 0 a Blackers th 1 0 8 0 s 8 C 600 n 114 0 u G **Петрекатике** 0 6 0.1 3 and Ü Tamer mustra 1 Ĝ 31 ٥١ 19 4 2 19 ń in 30 ũ n Bene trum ire 1 6 e 31 6 0 ô 19 28 1 st e 29 0 B 32.65 6 Ġį Ġ L or synt 1 4 0 31 4 θ 0 ô 13 a . l tory en ne river at Rs 30 per 0 0 So a R 18 per m nff 18 0 8

real zed at the Gove ament Docky a d Kidderpose as will be seen by it statement a the mag n of tamed by the Commerce of Odrance Fot Will Im There s I feel sure no rose economy then grag ges far below teloal to and who no good vo Lman e il accept

Threat most consider in the ce se n tie n mbs of sm the and therese was the filmen and lame mergen. It sie ease is a tich for the 1 contisted to a summy op o to lead dallo by the n fodution of nogit oner ger for s se and filt a tillery I to ld home cert all of two attority or use to the pe ment est bild nept of these or other thees a less the mercued tesoty and like a on dulfo them begind I for are 10 do bt of pectons to pen unent estable ments of no have as parated of any orangle of the Comms some report file eol ctonane n unvoice of tended by the good effect. I hat outdle pod ced on the large loly of extra lalocally the en male sett a small je ma e testab lush ne to se lly good o Lne But age mn not establishment of ferror

elicaci notbutt nju ois Ilar recommended alglimoreme to the etallishment of delands on secrable a er so to the p). It is estill sime thrus been a call point in the a one of the first diese is nitiotored its outfleward to the one regret deal of the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the first outfleward to the consumption of the Historics is a survive; a sum of a grave centur, as according one can a to a survive or class of the circle of the survive or any entretable set of prison. The circle of the survive or control to be a created if the most set of distinction is an electric or control to the created of the control of the con corresponding measure in establishment of the lat. The total cost of proposed various for the coffice establishments exclusive of the victor and the value 33) processes a but of this or plue 4 to so not the power of oils in 6 oil of this or plue 4 to so not the power of oils in 6 oil of a good to 6 to communde lang for a mercuse in number and ray of establishment being to on see of their present dates.

10 The scale of exchibehanout for factories is now under preparation and will be simulated shortly. Comparative indicate them a state of oil of the confidence of calculations of the confidence of the confidenc

emperature statement stomm a tolod no lity criped in a colorocourt of CHIV. I CHI for a structure depotent the Boogstree der any perspectably file of deace Colorocourt as a cossission as let so secon as letting the Ciffic att of I spector Ga eral of Octor as Boogal

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Colonel S. Chanu RA Officiating Dep by Inspector General of Ordinance and Maga z nes Mad us

Majo Coner l W S Ha

There are sufferent unital officers for work in times of perce but should an ordinance prof be required to accompany a force into the field great difficulty would be experienced in an plying the required in their of viviant officers from the present solable a vent

Myor Gener I. W. 4. Held Inspector Ge evil of O'donness and Magar are Bonday and Magar are Bonday affected that of the other a sensil sufficient that not more than a set for each Will on our two except one the non-runt officers as a bed, a set of the efficient and the contract of the c

12 What is the annual cost of the condomnation of aims in your presidency, and is the system of training of Native amounts a good one?

Mayer Con of Nop or Comphell Office of Inspire Genera of Ordenne and Magaz e Bongs

The system under we do Natives are sent to an argent to be taught than it has a manager under the cheff or I master amounts us the only present method of the unity floss ment that can be adopted under existing a committees.

8 101

I however consider that the system under which Netwer removants are maintained at present is faulty, and it mights I think, be improved without additional expense to Government.

The mealty officers communiting regiments of Artires infinitely expensive of filesity in obtaining until bile men for the post of regimental amounts and during the late war I found it impossible, oven by offering additional pay, in province amounts to said to the Pedroma arcent.

I nould alreade the establishment of a corps of Native armorrers, who should all be enlisted

These men could be thososphly trained in arrenals under the chief out I master armourer in every hirmeth of armourer's nort, and could be employed in assembs in the cure and prever atom of the revenes

the reverses
As an indiscement to these men to weak and become expect tradesmen, all appointments to the
post of amounts with regiments should be made from the copys of Antwe amounts

pass of amounts that of general assume and not been the means of it stoom providing good and efficient amounters for Antire regiments. But in case of war, and when the dates at my particular mesond are very heavy there will be no difficulty in providing trained men capable of supervising and sepair may arrive.

A corps of Bursain armonices if one could be organized no ild be a good more Information regarding the animal cost of the condemnation of arms in the Bengal presidency will

be forwarded to some so obtained from the era armer of ordannee accounts.

Disad S Ctrus or EL Off or the Depth Imprise for County

Average of last three years as reported by the examiner of ordannee of Octaons and Magnesia.

ent or Duty Ing two States accounts—
ff Orleance and Magnitudes
Notices

Ref.

X also of condermed arms broken up 1 68,895

The system is a good one. There can be no better instructors than the trained chief civil master ormourers sent out from England.

These sums include the loss by condemnation of obsolete arms. I cannot ascertain the loss by condemnation of runs become unser needble separately

13 Do you not consider that two gum carrage factories are sufficient for India?

Major General Vapuer Crimpbell, Offic atting Inspector-General of Ordeance and Major ness Engal

Value of components

That depends enturely on the amount of outturn of carriages &c, which is bliefy to be demanded of our gue enture a factories, and the time which may be illowed for that outturn to be completed

inter a men may see increasin a may common an ecomposed.

If each the reserves of mage trans heavy bitaries and horse and field attitling at present sendemed for later twee to be completed, and a tereorable time allowed for their completion, I think that two yet exceeds factories might achieve

for the work

But if orthrone for coast defences for forts, coasting, or contemplated, for "pieces inget sattires

But if orthrone for coast defences for forts, coasting, or contemplated, for "pieces of refuge."

& & & laws to be I you let 'not the writion may very launted lame it is necessary to have correct

formation as to the externt and native of such variousless, and the perced writion which they are

capted to be provided before it is possible to say here many gue accuracy factories are needed to

complete them within their perced.

Colonel S Chamer, R. a. Office atoms they also Impector Ges coal of Old auto and Mirgan new Mind as

In my opinion it is adverable to return the number of guin curring of the present Confertization in the manufacture of warlske equipments, such as use turned out of the guin enrings frectories, might, in the exent of communication being cut off, band to designous results

M per-Ge eral N S Hatch i q et m tentral of Ordnance and M gram cs Hombry I think that when reserve segge trains and heavy field batteres have been completed, and the Bengal goa courage factory removed to Allichards, two gon earnings factories with the sufficient; but that now, and for probably room, years to come, three we required

14 Can you suggest the abolition or modification of any other military factories m the interests of economy?

Major Genl Kup er Cumpbell Officiating Inspector General of Ordina co and Magazanes Bengal

I cannot, with my present information I believe I could if I had the information needed for the purpose

As I have already remail ed, I think it quite possible that one gen powder factory might be closed, if not immediately, at an only date, power reserve of gunpor der un as near completion in the other presidences as in Bengal But this I camed say

If I had a little more assistance in my office, even for a few months,

I could go into the question, but as it is, I am forced to delay consider ation of such mitters, important as they are, under press of current worl. As soon as I reach Calcutta, I hope to turn my attention to the subject

Colonel S Charmer R & Offg Dy Inspa Geal Ord & Mog, M dras Major General W S Hatch Inspector General of Ordurace and Magozanes Bombay

Having a view to efficiency, I am not prepared to suggest the abolition of a modification of either of the two factories in this presidency

I am of opinion that a more even distribution of work between the grapponder and small arm ammunition factories of Dum Dum, Isla without my increase to its supervising establishment, turn out a much larger quantity of ammunition than it now does, and at a less cost. The Kullee powder fretory could do the same, but not to the same extent as the small-arm ammunition factors

Could not a factory which might not have enough work for ordinary times but which from military considerations it might be thought desirable to retain with reference to contingencies of war, &c, be purifielly or wholly closed, but maintained in good order at a trifling cost, so as to be available if necessary hereafter?

Major Genl Napiei Campbell Officiating Inspector-General of Ordnance & Magazines Bongel

Certainly I can see no reason why a factory should not be closed for work, and yet maintained in such a condition of to allow of its being opened for work in a very few days when required

The small arm ammunition factory at Kulee is I think, at this present time, not being worked at its full power, as there is a surplus of small arm ammunition in the Bombay presidency

But it is quite clear that if a fretory were even partially closed, the saving in expenditure would be very considerable

Colonel S Chamier n.a. Offg Deputy Inspector General of Ord nance & Mogazines, Modras

A factory could be partially closed an ordinary times for econors's sale, but could not be wholly closed and not manufamed in a condition to render at available for work at short notice

Magor General W S Hatch Inspector General of Ordnance and Magazines Bombay

I do not throk that this suggestion could be carried out without Myer Greed W S Intel-present research of the Charge and the control of the Charge and Dispersion (Search of the Charge and Dispersion Steady) and Dispersion Steady of the Charge and Dispersion Steady of the Ch

eg, when the gaupowder factors at Kinkee was first opened, the master worker, a first-rate man and thoroughly trained, was unable at first to lat off the exact modifications of the several processes requisite to suit the peculiarities of the climite of Kirl ec. Consequently several backless of pooder had to be its worked but afterwards when jebble and R P. G. powder was introduced, the same man to be two worked but utter some when public and R.T. G. provider was introduced, the cume outside heaver done with via as required, and the provide of them descriptions mind at Kill of his best most known in reported on. Again the inverse norther to Mainta could not for some time gut his public provider up to standard. This mappine greater at Mainta, after testing a both of Sail to mide provide up to standard. The mappine greater at Mainta, and testing a both of Sail to mide and external to Mainta which has been included a Mainta and testing a both of Sail to mide the manufacture flows and testing the sail to t

Marks requiring some sight models of present a watern zone; and a reme to a Marks requiring the way of the Marks requiring to the drawn at time. The way of the first remediate of the second of the second afficially in time of way, and drown at many marks for the chapter of the second of the seco

consistent with officiency

It should be remembered if at although by mere sung the outturn of one factory and because others of the same description idle, the cost of the outturn of the one factory employed might be

made to appear to this exalt would a real ty be for home. To obtain the real cost of such outturn mode to up car lo its court would a wait by he for those. The chains the red covid of such ordinate the red covid of such or sugar stage and distinct of all changes of the chains to the chain of the changes of the covid of the the such and all the changes of the covid of the co

As regards unskilled bbo (lees up difficult in edgeing or exprising the stionist). The estible mental vine city to late scalled cut—led clarged or easie transless required. But estudis mentiful me di per data senome uni — e é di uppet presente une un simpunted. But if de lob mais lied stable since est une des nuprel una na sen é un present de fice ; lad to communica é a confirmant com de senome de communication à communication de la companse en el the small un numerous to fictance provessifia O both functiones that complaints of amount of on mande in the first 1 % of the existence were no norms and these complants have decreased a cach year

since their establishment

16 Taking any factory with which you are acquirented will you be so good as to give a sketch of the arrangements which might in this case be proposed, and the saying ?

Laye Genero Layer Cump be I OS is og I spelo Ge cral of O desence and Mage nes Ben, al

Learnest reply to then question a thous looking more i by to it than I lave non time o appoint or of doing I he id equal to the strong factory and consult pretical engines and incolonies as to To some menon y and committee exercising more and interval of the obtained to the chains given of much may would have to be made and and the establishments is the no fill force to be larger to be look effect. Takes y wheel time of the decided should be decided to work in one of my to me but all the time yet look for the most made in your mental to so the profit of so the form to first being operated in ording you made one of the so to term to first being operated. to manufact ng juria e et tle sho test no co

I have hove e ast to ted one en on the sul jest and hope before the Are v Commeson closes is settings to be no position to submit

some such al etch as a called for

Co onel S Clam er D& Off eat Depo y I specto bone to of O on a and Magaza a Madras.

As an armyle Is odd mention that with a view to present s age of economy a do a 1 a because of d_{S} the $Gs \in s$ of f G has at its the of it set it is M as gauge a do S draw s to be reduced for the current s t is one t. Bell a consequence of v i of t is t as t and t and t is t and t and t is t in the t t in

It have no mad that may not the employer's the gurry of a fastery to make a common set of the composition of the composition of the common com not reprod In the erest of fill nork be gogens commen ed great iffently nould doubtless be expe need notifulng the serv as of competent men as the business of 10 der making a a special one a duot le mt nahort time

M J Gen V S H ch Imap G nl Ca & Mag B misso I am of op n on that the proposed plan to sid not be corred out without an almost complete care her of ellimency

17 Are the reserves of powder and other munitions of we as approved by Government of the report of the Ordnance Committee complete? Can any of the factories be much reduced (for the time) in ordinary norking power ?

Me Guard \ ea Campl

As to the rose wer of gumpors her the powe on you assess as a concentration of the power

milk the except on of g man der for S B guan our race es in B gul are en apete as f as the est | shelp ope tous to the se end en pressure conce ned and the whole

risk of appearance of a second source propose common outside common arce concerned unit also account on a be to diplete us of side if no frequenced. If the empty hite is remain into the counts dead of these reserves we had be probably necessaries to be interested. Help ad on the net see of the could some of the deal accounts may be composed.

and le algofilen

Proper is for tended or homore of never sege times les y batte us and fert armana to are der by below it were were to be un in mel Wildwall a bove er an my opno suff at en der its below it rese ves to be un to nel to meet all p deable maned to req resents under a tile manadicity well projecter the spore the expenditue of projecter the spore the expenditue of a post for the spore that the continue to complet the e resofeel

ereceted
The reversed son him a man mean fon fin Bengellie revy mead complete on II labere in
Boon him has a conditioned for the fine data because Wile It of searces I oldo takens may be a matter than here with his Separal Continuous or the contraction. Some y'the 's outloome | r'eston data b'eccosse Whe If | of severe a lot sor, at the own the present of the country the countr As I have before remarked, I cannot say not truely whether any of the fretories can be for the tune, and immediately reduced in ordinary wording power, because I do not know the actual state of the teser as in Bomby and Madars but, judging from the recurse of gampowder in Bengal, I behave one gai powder factory might be so induced, if not at once, at an only date

Colonel " Cinner RA Offg Dj. Irij Geni of O &M Modres

Proceedings of Committee referred to not yet received

Mujor General W S Hatch In species General of Ordunco and Magazines Bembay

The small arm ammunition reserves are complete. Those of gunnowder and ordnance carriges are not se

The establishment of the small nom ammunition factory has already been cut down so as to reduce the outturn this year to about half the quantity used unually By this means the reserves will be reduced to the extent ordered in about three years, while the small-aim ammuni tron factory will be kept in an efficient state

18 What is the annual cost of the ordnance department under the headings-

1 Administration

2 Personnel of arsenals and factories.

3 Stores {From England Local supplies.

Hages Gentral Kap er C empbell Officert g Inspector Ge eral of Ordnance and Magazines, Bengal

The unwell cost of the orderince department is as follons —
(1) Administration, Rt 1,03,185

I have taken the actuals for the year 1577-78 as entered in the India multary budget extent, for 1879-50

The summer was the summer of the supervising state, and the supervising state, collect test the sulfact and contest the allowness, contingent expenses, and postage charges (2). Personnel of a state of materials, factories, Re. 19,79,518.

I have maintain the sam the pay of perminent establishments, as also that of exten laborers and

ficers, and odies, family, medical, contingent, and traveling allowances, postage charges, and house rest. These figures have also been taken from the actuals for 1877-78 as entered in the India military

(d) Stores from Displand, 1204, 274

The cost of stores from Displand I have taken from the present of military stores expenditues for 1817 78 propered by the Accession-General, Military Department. The cost of freight us included under thus charge.

Cost of store, local unplies, Rs 13 58,991
This sum represents the actuals for 1877 78, as given in the inhitary budget estimate is: 1879 80, and metudes the cost of-

1 — heerl supplies of stores for arsenals, magazines, deptits, and factories II — Ropan of harness and saddlesy with corps

III -Treight changes of stores from England and from port to port

IV —Gymnasia stores and apparatus
V —Army signalling and telegraph stores.

VI -Miscellineons

VII -Comp equipage VIII -Line genr

VIII—Lines greet consistent with the figures given by me and obtained from the military budget greats really responsed all network charges, and in consequence of my agreement of the suffaint most which the cost of the servant hated of expenditures in the department on calculated by the Accountant General, Military Department, I am unable to account the figures in the military beingst world those given in this officier's humanus legant.

Major Newmarch could give more reliable information on that point than I can

Colonel 8 Chara et R.4 Offi e ating Deputy Inspector Control of Ordunnes and Magazines Madres

(1) Advantation conctroned budget for current year Rs 60 955
(2) Personnel of average and factories structured budget for current yea És 2,66,746

(3) Stores from England average of last three years, Rs 8,01,9,2

Local explice to usenals, depôts and fectories, including timber าตะกา

Major Ceneral W S Hatch Inspector General of Ordinas e and Magazines, Bombay

Lu exhemme derring 1949 Al Re 1 64'0'A		
Adwinstrations Single-Budget 1879-80	,,	Rs 66,508
Personnel Amenals and depôts	14	3,83,808
Gua carringe factory		62,526
Gun powder fretory		78,188
Small arm ammunition fretory		50 789

	(1183)	[Appendix IV
18 6 77 18 7 78 18 8 70	Sio ve rece sed from E glasd	Rs A P 15 30 488 8 0 12 22 571 9 0 6 38 7 2 1 8
	Total	30 91 531 11 8
	Average	11 80 610 9 8
Arcenals and depôts	Stores ps relaces locally—Mescella \$ 18°6 77 18° "8	3 84 77 b 0 • 30 897 13 0
G C Factory	18:8 70 18"6 77 18"7 :8 18"8 79	5 20 192 5 8 16 267 6 0 31 150 11 0 28 480 14 3 41 006 8 0
G P Factory	. { 18/6 77 1877 78 18/8 79 (18/6 77	41 006 8 0 26 252 10 0 10 376 0 0 21 312 10 0
S A A Factory	1877 78 1878 9 Grand To	24 875 6 9 14 13 959 8 7
Arsenol and factorses	1878 79	Ra A P 79 647 12 0 27 480 18 0 81 868 4 9
	To Aver	1 88 831 18 9 age 02 903 15 8
1876 77 1877 78 1878 79	Purchase of our 3 cquipage	Re A P 01048 0 0 42 373 8 0 152 865 0 0
	Ave	rage 85 32S 15 4

19 Do you consider the system of "examination of ordnance accounts" a good one, and can you give any facts in support of your opinion for or against the present system?

Ma criticates Maj or Campball I am not suffice eatly fam I ar with the detail of the system under Officeates I have or Gard of the highest continuous of ordunance accounts is conducted to sporth with

a till or ty on this point I do not think that the rudet of these recounts is conducted in such a manner as to afford reliable information and in some instances at least as far as my imperfect understanding of the subject per

mats of my judging the mucht of 1 ills seems to be regulated by no very fixed rules.

Litaly two bills passed by the examiner of or insures a counts came are dentally under my notice. They were lott s builted by regumental efficent to the tyring en of ordnence accounts. They were in both instances on account of the purchase of the same us ele (curvas). In the one bill the cost of the canvas was put down at sex amons pe ya d in the other one ripes per yar!

The electing of indents sulmatted on the ordinance department has I suspect never been

effic ently ear ed on in the Bengul presidency. It is so a the Malras The order of Government under which examines of ordernees accounts a come longer required to check such in leuts is a padic one one. It ought to head to a reduction in these substitutes to dexam

mers of ordernoe accounts if made applicable to the other presidences which as far as I know it, has not been The very excellent remarks made by the Special Ordannee Commission of 1874 75 in paragraphs 470, 171, and 17, of their report seem to me to point to the nece sity of the dity of the examiners of ordernoe accounts heing more especially confined to the preparation of statistical returns compile

The several referres which the Speemi Comma tice on Ordinance graded by the vews and opinion of the Special Ordannes Commission of 1871 75, have proposed for preparation and subunstion by commissaies of ordinance and superintendents of factories will enable this to be done more effecting ally then has hetheric been attempted. At present I do not believe we I now the real cost of the out turn of our factories. The alleged costs, in some instances, seem to vary so much, that one canno but be sceptical as to their accuracy

Coloud S Clam or 1: 1 Official-ing Dop by Inspector General of Ordnance and Magazines Markets

I am of opinion that the present system as not a good one, and the examiners of ordernou accounts should be utille; officers who has professionally gamed a knowledge of the amaments and other store padiessmaning games a knowledge on the transmens and male store with which this department is specially concerned. I concer in the suggestion made by Colonel Wirty, that "it might be worth considering of the the ordinance examines in India officers of artillery, would no be better employed under the different inspectors general of ordning he price employed water to diagram and accounts as they pres through the department rather through the manual them there they brue left it and when it is frequently too late to recitiy mything the tracy by wrong "

Major-General W S Hatch Inspector General of Godenoco and Magazines Bombay

Until last your there were many complaints regarding the remain made by the ordinance examiner on charges for making up and reprint stores. These remarks being considered in many cases as shoung com-

plete ignorance of his subjection the part of the ordinance crammer, caused much annotance. I however some time ugo arranged with the controller of maintary accounts for a reliminary undit of such charge as regards quantities of matural and I but to be made in the ordinance office. This system has non been at word for some mentles, and has at seems to me, worded well, and the controller of military recounts has authorized one to state that he is of opinion that the plan is satisfactory, as affecting it technical knowledge in which the examiners office is deficient and that it has led to a considerable saving I om of opinion that some such arrangement is incessor; whenever the evanuer of orders suring I am or opinion has some notes arrangements accountly ancount the extinuit of orders, recounts is not an utilizer, efficer. As on a statuse of ethics for months providely made, I my monthou the examiner having elected charges for tender and carpenters on motel east age, hear unaware that wooden yutterns are used for such assungs. I believe that the notit of ordinate account is now satisfuctorily conned on in this presidency

Is there any unnecessary expenditure in condemnation of stores by regiments and batteries? Please give your views on any improvements which may be effected in the interests of economy

Mayor General Napoce Campi ell Official of Inspector Gover 1 of Ordensee and Magnetines bengal.

There is often unnecessary condemnation of stores by regiments and batternes and thereby consulerable expense, which might be knowed a mounted not only as regulas the value of the matches condemned but also on recount of energe

One case is at this moment under consideration, and I could formish many others. But this on may possibly be sufficient as an altestration of the reckless condemnation of stores by reguntation batteries, and the unnecessary expense which Gove meent thereby ments

One sepoy tent of two piles was usued from the Perozepose useral to the 'th Regiment Natur' Infantry On receipt it was brought before a station commutee and condemned as a respectable for

the following reasons -

"The tent does not appear to be made with the proper cloths but with material of an inferior description The committee compared the tent with an old one, and found the material quite different " The tent was then sent back to the Fernsepore assemd, and on receipt was again examined by a

station committee who reported as follows -"The committee having rapped open the tent in question and examined the several clothe with the cloth of the arsenal mineter tent, are of openion that the glaus, of which the hining and uper cloths are made as equal to the muster tent cloth, and that the descote of which the outer doth is made as superior to the muster " + " The commutee consider the tent in every way sorrecable and fit for issue "

It is unnecessity for me to make my further comments on such in instance of condemnation of

Officers commanding butterns of artillery me notable for the perastracy with which they are quently condenn harness and sad llery. I have been compriled on numeous occasions to appeal to this Excellency the Commander in Chief on this point. The orders under which such off cers should

not are so fully and clearly had down that nothing can be added to render them more explicit. The carrying out of these orde a is now a matter of discipline The only suggestions I can offer that are at all lifely to reduce the unnecessmy condemnation of

stores by reguments and befree as me

I .- To withdraw all contract flowences. As long as officers receive a certain sum for Leoping any portion of their equipment in a serviceable condition for a fixed period so long will they so tanto to condemn these stores on record from an arsual on trivial grounds and on account of slight blemishes II —Stores assued from an assual should be received by a regument, but if considered of inferior quality may be examined by a committee, who should state how long, in their opinion, the stores are

likely to last III -By paragraph 123 of the Equipment Regulations prepared by the Special Commutates on Ordensees half yearly station beards are to be assembled on the 1st March and 1st September of each ormance arm yearsy armon bearon me no excuentates on one rea partners and its coptimiter of each year to examine end, sports and instituty stores and equipments uses with betainers or regiments which have become in the opinion of the commanding effects until for further service.

This assembly of hardes to consigning stores believes the dates specified above should be restricted.

to as for as possible and only sanctioned under the most urgent and exceptional organistances It would seldom accur that a damaged article could not be sufficiently reprined to render it fit for use till the date fixed for the assembly of hourds of survey or it could be temperarily replaced from

the si plus stores in regimental charge use a time stores in regimentar config.

The condemnations by built partly bounds under such a system as I propose would be large computed with the condemnations by their really bounds under passent animpowerits, as it is assembly of
regimental committees throughout the part to report on one or two articles at a time would be done

away with and all articles considered unfit for service during any six months would be brought before

the half yearly station board The proceedings of these boards of survey would be carefully scrutimized in the office of the inspector general of orderines and may stores the necessity of condenning which appeared doubtful could be credited to be sent for inspection and report by an ordered to be sent for inspection and report by an ordered officer, or if the doubtful condemnations were extensive, an ordinance officer might be directed to proceed to the station to examine and report on the condemned articles.

Col S Chan or Br. Offg Dr. Zust Gerd O & M. Madzas There is no unnecessary expenditure in such condemnation in this presidency

Major General W B Robbi Inspector General of Orderagos and Magnarius Rombry

I do not think that as a rule, stores are unnecessarily condemned by regiments but I am of opinion that some buttery commanders are much melined to condemn stores especially humass (both on receipt and after home in use), for insufficient reasons. The orders issued in this presu doney in accordance with paragraphs 447 448 and 449 of the report of game in accommand with integration set; and gain are to have sport to he sport or the Sport Officine Commission has elsely did not undersometermation of generate to considerable extend. I do not think that my rules could be secured which would enfance, since this tendency. "The only course is to imprise, on the marks of officers and specially of commissions that they are acting a rungue for Controments and not bound to see that no giores are condemned unless thoroughly muserviceable

21 Are you acquainted with the procedure adopted in England in the survey of multary equipments of regiments embarking for, and returning from, India? What is your opinion of it, and can you suggest any system more economical to India?

Mayor General Map or Campbell Official ng Lampston General of Orderance and Magnetics Broyal

In appendix of the regulations for the equipment of the army, 1976 will be found a detailed account of the procedure adopted in England in the survey of in binay equipments of regiments embacking

for, or referring from India
I consider that system is a good and efficient one, and can suggest no improvement on it by which any further economy could be affected

Col S Cham or RA Offg De Insp Gent O & M Madrat

There is no record in this office of the procedure referred to

Major Grieral W S Hatels Leap Gral O & M Bombay

I am not acquainted with the procedure in this matter,

22. On field service in Afghanistan it was necessary for a general officer communding a force to countersign indents on the ordnance departments, even for authorized stores is this not an unnecessary form, and is it not opposed to the spirit of the recommendations of the Ordnance Commission of 1874-75 as approved by Government?

Major General Napotz Campbell Offic strag Inspector General of Codnance and Mo_bannes, Bengal,

Yes, on field service in Afghanistan such was the prochec. It is a most unnecessary one, and is opposed to the letter and spirit of the recommendations of the Ordinance Commission of 1874 75, which were approved and directed to be carried out in 1877, but were not so-why I know not

As soon as I assumed charge of the ordname department in Bengul, and learnt that Government had anothered the recommendations of the Ordanee Commessen on this subject I at once instruted measures for currying them out. But to do this required the proprintion of corrected tables of equipment the submission of amended rules for regulating the submission of indents for the approval of His Excellency the Commandes in Chief, and for the guidance of regunantial and ordinance officers, and this took time, so that not until the lat April was I able practically to carry out the new system under which indents the new dealt with

General officers commanding would not now have to countersign indents on the Ordnance Department for ratherized stores

ing Deputy It spector General of Ordnauce and Magazines Madras

Colonel & Channer RA Offic at-I think the countersignature of the general officer is quite times ecseary to indents for authorized stores. They cannot be replaced if condemned as unserviceable until the proceedings of the committee have been passed by the inspector general

Major General W S Ratch In spector-Ge e al of Ordnamos and Magazines Bombay

I think that the procedure mentioned was both unnecessary and in opposition to the spirit of the recommendations of the Ordanice Com mission I think, however, it is probable that the comes taken was adopted in consequence of the non publication in Bengul of the rules recommended by the Special Ordnance Commission until 7th Much 1879 aide Bengal circular memorandum (new series) No 389 of that date

23 Will you be so good as to hand in any reports of the working of the ord. nance department on field service, at the same time stating your views in regard to any changes which may appear desirable?

Maps General Vagore Caspiel of General of Linear Engineer Caspiel of General Caspiel of General Caspiel Continues and May cross Respiration of Caspiel

Dren the difficulty in obtaining transport and the measurements of the dribbert department.

Bren the difficulty in obtaining transport and the measurements caused by the delay which commed in according structure for the establishments of the field part's proved by me, do not result in future on the part of the ordernoe department to meet all demands made on it, always excepting compage and entrenching tools

Comp equipage might have been provided had timely notice been given of the probable wants of the army in this direction. Entrenching tools were called for in numbers that no foreight could

have anticipated.

I append copy+ of the instructions issued by me very soon after I assumed office for the organization of field parks. They were car

rad out most offinently by the officers to whom they were sent.

The great hillierly I had to control they were sent.

The great hillierly I had to control they who is the control by the field. Some less rad confused against any that coursel by fraving to material clients new to departmental dritters in details of duty whole they never orderally in the field. Some less and confuse a under such errormetances could not be a rounded but, on the whole the regumental officers whose services were temporarily obtained for duty with the orderince department worled admirably, though naturally they felt the heavy responsibilities they incurred in assuming duties the details of which were new to them

An increase to the present establishment of officers to the ordnance department is essential to its officiency, and some scheme to induce or compel the retnement of warrant officers, and so excure

a flow of promotion, which is new impelled to an extent most inquirous to the service

1 upend copy of a sportly submitted by one of the martest of

2 the regimental obices, Altyor Gallway is he was temporarily standed to the ordinance department, as a good example of which can be done by a zealose and intelligent officer in the worling of the ordinance department on held service

The field part attached to the Kunam Valley I teld Torce was worled equally well by Captan Colonboun, and if the ordnarce stores which were transported for the use of the Kandaher I ores have not been so efficiently eared for as with the other forces in the field, the fault does not rest with the

ordnance department

Instructions resued by the Officialing Inspector General of Ordennes and Magazines to its Ordennes Officers in charge of the several ordenses field parks attached to the Afgilan Relid Josep, adals 2nd November 1878

I am aware that it is impossible to by down strict and definite orders for the guidance of an ordinate officer in the field and this very much must be left to the optimizet and regarded or individual, but I found in the foll and this very much must be left to the optimizet and freezight of the individual, but I founds the following naturations for your general information and goudness in continuing the sites of the ordinates department attacked to the ——free 2. In order to meet probable demands from the troups dependent on the ordinates establishment and are continued to the first of the continues of th

under your charge, it will be necessary to obtain from arsonal a reserve of stores, which will have to be refused in ordinance charge under you, and you are therefore requested to submit emergent indents as early as possible to complete proportion according to the following

Accountrements -One complete set for fifty men for the respective arms of the services attached to the force

The —Components for entrying out reprint to rolles, enthumes, and pushols, see months' supply, or for every 1,000 errors, built the quantities as hard down in yangraph 459, Indian Appendix Of British Mais et sy. Regulations, and purposes 459, Mais et sign expensions of the Components for which no proportion is had down 2 per 1,000 arms Swords and scabbinish for untillary red carries, y he over of number in use with the troops

for possipe i -- Material for the repair of all emity equipage in use. Probable expenditure for six months-Too's entreneluse

Axes pck 5 per cent. of number in u e Shovels Mamoot es Helves for above Herness and saddlery
1 wheel and 2 lead per heavy battery 2 percent of number in f vheel | harness actives paratoe 10.40 ttea saddiery, umversal hunturg Complete sets

park N P boxes ammun.tion Ti tto saddles with harness ordnance tra l wheel Mater al for repa r - Six months' supply per battery calculated on the annual proportions as laid

Hitter at for 1952 t - 322 months supply yet courses used on the automat proportions as and down in complement talked to to 1 I may at they 6 old beary and mounts a better 8 Internative as old -Buyles transpots and 3 mg - 5 per cent of numbe in sec with troops Took and fores - Sufficient for the use of the we know of the collection department.

Movellesses 1-S x months' supply per battery and regiment of all arit les iss and animally for repair of eq i pinent. For the reserves of other stores you must express your own judgment taking into connderation probable requirements but bearing in mind the difficulties attending the supply of currage

Опідалее пип from. 241 rounds per p ecc 378 per 40 p R B L gun 388 per 8" morter Per royal horse artillery and field battery { 378 388 Per heavy field battery 410 per piece Mountain battery 200 Siege tra n per carbine Caralty Br tash and Nat ve 100 ann ar bue areques agg per mile Infrarry suppers and m nors
W I beds with belts complete for box girler corruges Boxes lead or ammun to Shells common and double 7 pr 4 per cent n usa, f brush copper went piece 2 per B L gun 25 per cent of each article in use with bet-Brushes for I recub loading guns Draught equ pment ter es dependent

16 per cont of a mber a une
16 of each article in ane with but Hand up kes Implements fuze and shell temes dependent Lang rds fr citon tube

) Detto ditto Priming froms Pieces vent B L guns Rapes drag light and heavy Shafts wood near and off 2 per B L dependent 20 pe e at of number in use ner royal korse artillery and field battery dependent

10 per cont of numbe it use and sufferent Staves for sponges and rommers ter; and 3 coatings sponge for each heavy battory

S x months's pply of materials for repair per battery dependent 8 The se or commissary of ordnance att ched to each col mon or division t king the field will and the commission of our commission of the common of the common of the common of the common of the common of a season was an accommon to the common of a season was an accommon to the common of a season was a common of the common of a season of the commo

After 1 in 4 by h much then the most hard want depths as at all times mannering provined write a few ears again and provined write the manner of the presented of the torse and tesses orders to age as at the reserves I consider supported things advantagly: "In far we pass the of troops morang to age as a few to the provined to the front so as a few of tesses of the first so the consideration of the first that the continuous contractions are the contractions and provined as the contraction regarding all the manner of the contractions of the contractions are greatly and in the few recognitions of contractions regarding all the provined as the contraction regarding all the provined as the contraction of the con

Stores are two lable

6 Hs orders regarding the despotch of stores must contrast definite instructions as regards

6 Hs orders regarding the despotch of stores must contrast definite instructions as regards.

informit on si to ld ist be furnished to the saming office.

7 He will deta I the off cers and establishment for each depot leaving I owever at the base of operations the ordinance officer next sensor to himself

8 The ordnance officer at the base of operations in at exercise a very careful an ervision over the uses of stores as regar is quantity and quality and i eq. a strict witch that his asserves do not full too for submitting demands on the ordinates office as necessity at eas to replented his stock.

9 He will rece re metr at one from the senior and wince officer from time to time reguring the quantities of stores to be purbed forward to the advanced depôts

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These orders he, and also all despatching officers in other depôts, must carry out strictly and punctually, so as not to interfere with the movements of troops forming the escort

Copy of a letter from Milion P TuriG Gallmux, Community of Ordnance, late in charge of Ordnance Field Parl, Peshawar Valley Iveld Force

I have the honor to submit for your information my teport on the operations of the ordence field park, Peshawar Valley Iteld Perce, of which I had charge during the lite campaign in

Afghanistan 1 Under instructions from the Deputy Adjutant-General, Royal Artillery in India I left Umballa on the 10th December 1878, and arrived at Peshawar on the 13th, which I duly reported

to you and to the general officers commonding 1st and 2nd divisions, Pechawar Valley Field Force, to you may to use growns unsurest communing as the solar versions, years of Verly 10th 1969; and said for other Meanshie I had recovery your letter of matrixions regarding the stabilishment of the year, the formation of recovery, not version other matters connected with the organization, and on the letter learned; been any stone, and versioned by the organization, and on the letter learned; been any stone, and was guidedly throughenthe manner.

3. Having for severel days recoved no order from the life divisors, whose lead quarters were Disals, I deferred my departure from Palesarur untils such time as I should know the writes the contract of the

an increase, a deserted my departure from Pediasure until such time as I should know the writes of the general discon injuries of thing has order in person. Meanwhile I proceeded to Jurand out reported inspell to Inculment-General Mande, or n, no, Commonding the Sal Durson, and there from how title, is the tropes had only just resided the frontier, and their sensed no immediate probability of their being pushed forward to any great distance, the question of their reserves might, for the present, should over, or they could, for a commelatable time, depend on the Rechward resemble to supplies.

Descript the intervals of the Apphilipsent of the fall work bears to common and I in the contract of the property of the contract of the property of the contract of the period of the rechward resemble for a positive of the period of the rechward resemble for the property of the period of the pediated pediated period of the pediated period of the pediated period of the pediated period of the pediated period of the pediated period period of the pediated period of the pediated period of the pediated period of the pediated period of the pediated period period of the pediated period of the pediated period period period pediated period period period period period period period period pediated perio

During this interval, the establishment of the field park began to arrive, and I at once commonord detailing then duties and, as far as my information at the time went, their distribution

with a view to future organization

8 On the Dist Documber 1 received telegraphics orders to report myself at Dhaka I left all necessary matricerons with Lacetannia Dudi, n.a., who was appointed to this force as my anstrant, will clinicated but to present of Jamen's mild thou, as soon as generally, the least intense of the field part. It was not to be a fine of the field part. It has been a fine of the field part. depôts in front. He has also to establish the field park office as soon as the arrival of the personnel

4 On the 20th December I started for the herd quarters 1st division, taking with me the on the Sula December 1 service for the first own of five united states of the line of community the first article of the pair. On a rarrel of each existent clong the line of community too. I currelly examined the evaluables of the phases for forming depits & s., and soon leven has necessary the immediate formation of the field park on a definite system was. This was apparent from increasing the automate activation to the interpret of recentled specific via a first and increased as the interpret of the haptened to up to which continues stores were then being forwarded at "mirrid, where there was a considerable amount of automators. There was no system whatever, and "all seemed in confinant On my served to Blank L from the back between quarter is the amount of avaisable, and my served the confinence of the served of the confinence of the served of the confinence of the served of intrin witch a port on of the britisty reserves of the division were stored, in charge of a sergeant of autiliery, Lyndic Loute Billahold, which is well at a the Thich Decarder.

5. It is, to time in wasting prop Leestenant-General Su Stim Browne, a c s to a , v c, and

taking his orders. It was detainmed that the reserves for the list division were to be at Dhaki, and that I was to egue wast the place on my return and arrange with the engineers for the necessary accommodation. The I had already settle I may own mind should be estimate buildings whost to be appropriated for other purposes, and or shy waves the only once as the feet which was ownshide and matter to the wants of the parts, I begged they might be headed over to me. The general officer

was good enough to order thus

6 The question for reserves of this division took some little time to arrange. As there was a desire to after the proportions of the projectiles laid down for the 9 pr britishes in deference to the a timer country are propertions of the projections and of the 2 pr systems in determine to the wishes of the Instrument properties of the wishes of the Instrument produced and the time, and subsequently old so, but, as in duly bound, I brought the nestire to your notice at the time?

I left Jellalabad on the 2nd Innury 1879 with a clear view of what was required from the

fold part, and for the purpose of establishing my depths and sending in the necessary indents. From which had seen on the match up I became convinced that a negatian depast system was required for this state contains on of stores to appropriate and depths. I had recordingly instructed the officer in charge of the base depôt at Jamrud to distribute the establishment as they arrived, so that a warrant or non commissioned others, with a sufficient Native establishment, should be at each station along the use That is set glid to find partially certed on on my releant, but they hall of the Nictive land not yet come up or that the system was not quite in working order tall come days either. I made all remoments at Disab. For the necessary improvements to the field park butdings there, and upon the days either through the complete on the partial through the partial partial through the complete of their insortion completion. I returned to Farmand on the 900 January and unmodaledly set to work at the indicates for the

ammunious and stores receivery for completing the nearwest of the late when the completing the texture of the late when the completing the texture of the late when the completing the theorem and the completing the texture of the receivable of the receivable of the month, and I angeled us early completing with them as possible S. I found that the ammountary would probably be all supplied in about 1 month, but that many other stores were oblight to be completely large indents due to regiments and the completely completely completely the completely completely completely the completely compl many other sectors were consequence of occurring an entered were arready range integral near or registrative stores that the sector model of or perishable stores was so small, and really existed at only one place, or , the fort at Dinka, their I advised that comps should at once be directed to makest for a sax months supply, which could be forwarded to them direct through the field park, thus obvaring the necessity of known depots of these stores at places where there was no proper profection for them. The suggestion was extract out in both divisions and I heleved I now say that when the general valence took place, to convict the out of March, there were very few indents of any importance uncomplied with

I rem my retain to Jamued to the 24th of that month I was solely occupied in completing

the organization of the park. All establishments having arrived, as well as a proper supply of

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st. tonor coverting in all old gorder stores were trush thed og hily alwillout loss (est na ers fe crees) to the different at tons along the line ille depot at Dinka was reported complee a live dy to rece is tenm it on

10 On the 21th I non; the leaf quarters 2nd dars on movel from Janard to the Bazar valley and I comp to the ge end of he fas even of our afforded one the means of seeing for n self bo the same a tran use us word of on netwarks we and what ras likely to be rigured of n set ho te ames none see ex non commentate tee man write restrict het for the displant also lân yil ng on nings seale he en els of a the high bet laik. Let red with General Via de to June 1 o the lift leius ver to find that the restrict ene leng a publiquid up and all work, git other 1 de o el a fin lays t frantant he i situs sof minents ad to correspondence with the laid of an I also gate the area? I do diffe a man it correspondence the laids of the laids and the newsof and a condition and the proceeded to the Disks that the laid of a man in terms of an ada a condition of the laid of a man in terms of a made a condition of the laids of the laids and the laids of the laid denot to awat he rn at of H s Excellency the Comm nder n Cl et

Il I found everything in excellent order at Dials and my risk actions carried out. The build age I ad feen much im ro ed and most of the reserves were complete

H's Droillean respected the field prik legal tile can the 29th Tebr my and was pleased to corne at maje an affection tile state it was I recompaned the Commander of the field Je hild I mapped g my degale at 17 with lan. The recent gain to the or my forder with the of the face and has gen of may recommendation for the est at Jellahland being beginn it is see than that the ese ses of the let d v s on would remain at Dhaha

Halestenant gene al commanding he mg p second to Peslena I vs ances to be present at Dilac on he return so that length seed test to off the dogst and give me on far the astrontons is not all user o to the face usuale u C of mgl couble in the do I accordingly ref of the Dilac ont to the Vare sad med Le treated, a of 2 ft van Hern there on the 1 th He desired that I sign is remn ; not the vace on and I is found that

al most of the toops was codered and that ast unimous would be sout to me egurd og the feld p rk of the d vis on

or that district

15. I was not skill by a corollary to orders eater lot proceeding to the loud quarters of the
1st of son until the 60 slot Ap 1 when I was summe of to I will know by Lectin at Gregoria
More construction to prompt for the save were of 1 as 6 was I at the man of 1 agreement which there place the I was not be the temp there are 1 and 1 agreement when I was not be the temp the country of the man of the country of the man of the country of the man of the country of the man of the country of the man of the country of the man of the country of the man of the country of the man of the country of the man of the man of the country of the man of the man of the country of the man of the ma was nature to be one pair a low a reason to the early a dufinity of ted on alch are made or to agree the low between the arm and the same made or to agree the low or between the between the same of the agree ally constructed one boxes (the division that you are also by country to be same of th togod m specially constructed is sed Bones (R.L. of this of ml. you mend so by command this beaders large mere of a command this large the conformant of the reservation of the reservat ufinity the 2 d h e amn ton fo the 9 pounders and the gating east of hiel vere handed over to regimental charge so that all go were so to the depot at fell-shall took place

It I had been origively make that by the general efficie commanding left discrete evidences for two losses and if y and two mountain lattices. The state lone, and there ever were complete when the general indicate tool place. It is then deeled that one bo en there and component value and the control of the latter described the said assent I was the impression of latter to are lied reserved to the said assent I was the information for the latter described to the for a dimonent stock place and the reman ler was ordered from Peslanar to Les de Kotal fo the othe two b theres

The Northern services of the services and the services and the services and the services and the services and the services and the services and the services and the services and the services and the services and the services and the services and the services are the services and the services are the services and the services are the services and the services are the services and the services are the services and the services are the services and the services are the services and the services are the services are the services and the services are the services ar Dhaka other stores remain ne behind.

The troops of the 2rll son one pedile ine Jamend to Burkab A considerable port on of teart liery eser es had dready been ato ed at Diala the rema der as nel as tie smill arm rese es and other stores were on the r ray from Pesha a d old late been comple e by the madel of slay but of the fetth of seemals poten of the entange of the division had been sent to the front to rugar at the tof the lated is on whele simulation received in the specific sent to the front to rugar at the tof the lated is on whele simulation received in the sent to the front to rugar at the tof the lated is on whele simulations. can el a delay whil I Drougit to not ce Happily subsequent over its rende ed this leta; nather an advantage as the reserves were not required.

I received orders on the lot. May to join the 1st division and ther commune ing with its head quarter I left L ad Kol I for S fed Sing on the 20th arring there on the other On the 28th a teleg and i on yo and red il e step | 198 of all further stores from the rear which was duly our ed out Soon afte and nect one for the will dra al of the froops ve e a ned

Antic pring to delay and diffe thus I kely to are in gothing book the large q nitries of mann in tou and stores in ordinance charge high were scattered. If along the line I at once telegrap led to the base station to have as many of the stans as pos. ble clea ed out of Di ake before the actual retrest of the troops commenced so that some room m ght be made for what as a front

Lind uncested every length is spet as much earnings we possible and electr out, as far as prastering the offent the actual recovering of the thouse feet when the contract the mean contracts the mean recovering the contract the mean contracts the mean the latter when a satisfy, before the troops of the set that issue bring of far on the road Length and the satisfy the satisfy, before the troops of the set that issues bring offs as on the road Length and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies of the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies and the satisfies are satisfied the satisfies and the satisfies are satisfied to the satisfies and t

- 17 I was very infortunately and reductivity compelled to report, myself sol, on the 21st June, and with the exception of grang we had directions, the winding up of the field park from that date does not do not besterous Dank.
- 18 I have thus traced the history of the field park from its formation to the time when it laiers may have said to have easied. I would now log to offer some remains on its actual and age and on some points which have suggested themselves to me during the expension which I have guid in this campaign.

Heving distributed the establishment we live almost composed and enganized usefficies, my appal mainty was to complete the amount on receiver and such continues store in view to highly to be required it any moment is completely as mounteresters across and such continues stores in view to highly to be required in the process of months of the general continues the continues of the general continues the continues of the general continues the continues of the general continues the continues the continues the continues of the general continues the continues of the general continues the continues of the general continues the continues of the general continues the continues the continues of the continues that continues the continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the continues that continues the co

It is weld knower, not be requer for me to pure over some of the definables with which the field pair of this firmed well of consider them, the pair stronger. In the first plees, I have consider that the relative of the effects of the part of the strates of the define he had to perform seer properly recognized, all each in one devisions. Them the walking of this G of O define the strates of the define he had to perform seer properly recognized, all each in one devisions. Them the walking of this G of O deline the strates of the define the part is being desarded under the legislation of "rattley" had to be being that the ordinance department in the field we at the control that it is the original part is the part of the field of the field of the strate of the stra

I Appendix 1 v

This idea was honever, upparently adopted for a time in the 1st division and gave me much trouble as you me already aware

The next difficulty was with the proper submission of radents, but after a time this was overcome I think the orders on the subject are sufficiently clear, and should cause no meconvenience, especially as they have lately been amended

I found that, probably owing to there being no field park with the force at the commence-ment of the campaign, many regiments and latitudes continued to nodent direct on the Peshawar arienal for stores and amountains after the park was duly organized. I called the attention of the account no stores that autonomous acces the pick we want of agentical stores on which the trapes and divisional subscribes to their pointing out flack it left in our like dark, as to the writes of the trapes and was she confusing in the matter of interest and recorpis, besides causing unnecessary delay. I regret, to say that up to a left period than produce continued in some corps and I think that in any future campaign strict orders should be assued to prevent it

The difficulties of carriage I need hardly call attention to us they were not confined to the field Happily the force did not alwanes vary repedly, so that the meanteness arising from this scures were reduced to a minimum

There is one other subject I would carmeally draw attention to and that is the enormous amount of office nork thrown upon an ordnance field park on service by the system of ruditing accounts, of office cont, there ago an ordinate intellegate, an service by the system of "soluting abouts," which is carried on a time of twa creately as in a prefound prece. It is not easy to correct be any one with his not potentially seen the work the great difficulties of carrying on the divisor of an office that their direct and the support when he of the contract of the first and which is the support of the first of the contract of the support of the first of one warried officer and two Babos walls occasionable portion of the time of one other warried of the support of the without Leeping up a system of recounts.

19. A more pleasure partitions reasonate for me and that is to lung to your notice the names of these under my obligations who by their assessance and by the names or an whole they performed that these contributed to the general good results. I have described in my uport. To Louvienani Reunchand prices I like the series of the property of the prope 19 A more pleasing part now remains for me and that is to bring to your notice the names of

Segment 7 Beamed has fully horse out the high character with which he powed the pail. There is no man who was untaking a harge who perferred line duties more faithfully. He is steady, so does and most institlent from the most man of the depth of Brawni, one of the hottest and latherly the most unlimitly statum on the host he sufficient from a position and also hard work. Multiply the most unlimitly statum on the host he sufficient he behaviour, that it recommended him to you for the charge of the now erdnance depot at Lunch Kotal

Sub-Conductors Picturing and Manty also deserve mention as having worked well. The litter was Some-considered reasoning was assured that consists measured as straing worked were. The related to making of the whole time as lead of her if the base serious, and I functionable Doff spacies well of him. Of the Neuron establishment I commet spech too heighty They worked adminishly, gave no trouble, and in the cities as were hard time of it. Being should, morpooled of Natives of Lover Hengal, the circums and the cities of the companion only two of the national straing with them but I am girl to have to report that during the companion only two of the national straing when heat I am girl to have to report that during the companion only two of the national straing when heat I am girl to have to report that during the companion only two of the national straing when he was the companion of the national straing when the strain of the

Perhanar on his return from the front, of cholera

I would des re to bong to notice Strdus Shuli, Hugas and Sahib Alt. The urbfaces were most metall of these who princt the field part termine the close of the campage, I would beg to mention recleant Lineals will be used by under my orders from the 26th May to the 21st June but deme, that time is make lineal metal, and was any campalia.

defined, they time or mer's measure secure, see he m may energican.

I reproch he my full to bring to prove nature the conduct of two of the invitrant officers attached to the just. I was misses at find to give them a further trial, but I have successfunded an opmion that it was misses on may part, but that they described no consultation.

They were the only exceptions to the general good conduct of the whole establishment from first to last

In conclus in I have only to hope that my efforts to perform my dates will have not with your approval and that the result of I received from all those I have favoribly mentioned will obtain for them the expression of your satisfaction

I much regret having been compelled to relangued the charge all the you were good amough to offer me at Peshavar, as also that I was mable to shally satisful the accounts of the field park

Col S. Charmet HA Offg Dy I sp God of O & M Mainso

No reports of this kind have been recently received in this office

Mujor Ge eral W S Hatch In spector Go eral of Orlando, and Magazza s Bo hay

I cannot find may reports of the nuture reled for I have recently A course and my reports or the introduction, us far as possible, of piece-work in the arseads and fuctories of this presidency and I think that a great saving will be caused thereby

T,

HORSES

 Do you consider it necessary to maintain any reserve of Government horses. and if so, how many ?

Brightler-General C G Arboth not, on Inspector Seneral of Rojal Artallery for Ltd v

L'entenant General S'eS Browne x'en Command ng Laligne Dan I consider it necessary to maintain a reserve. For the number of British eavily regiments and batteries of utillers now in Bengal I am of opinion 1,000 houses should be kept up

Lacrtenant-Colo el H G Sm th Supe atendent Reservo Responst Depth Salarmapur

I consider it necessary to munitum a reserve of Government horsesabout 1.160-for relive service, in addition to the ordinary reserve at present maintained

I do consider it to be absolutely necessity, as well for the safety of the country and the proper mounting of the army, that Government should manufact a testic of boses. The number I would recommend being kept up would be 1,000 herd all fold. And of this number 300 might well be young country beed horses of between two and four years

Colonel J D Couper D rector of Army Remouel Of embous

As long as India is dependent on foreign sources for rememble it will be, in my opinion, necessary to mintin a result of Government horses for a supply on an emergency such as a war, can be obtained in no then way. The number should not be less than 1,000

Colonel A Drury Agent for Re mounts Occor

The max mum reserve reunfained at the remount dopôt, Ocsoor for all the mounted branches of the service in the Afadras presidency is limited to 150 horses

Considering this is the only reserve for the whole of the Madra arm, I do not consider it would be advisable to reduce the maximum The reserve only comprises fiesh horses. No hoises me taken but to the depot after they have been allotted to the service

Major W. A. Roberts E.A. Remount Agent, Colouita

Yes The number of such reserve I consider should be arranged annually, and should be equal to two-thirds of the number of horses ser ing in corps and batteries which, on the 31st December of each year, and 14 years of age or over

Major & Capel Officials g Sen or Assistant Sujers stendent Army Remount Depté Saharu 14 oro

Yes I think that one year s requirements should always be kept

My reasons for thinking so we that if a sudden call was made for remounts, ether in the event of a wil, or from any unforcests contingency arising from any cruse, each, for instance, as the Loodina disease, which broke out at Rawal Pindi last year and which nearly unhoused a battery, to supply whose wants 53 remounts were sent in one batch from this depôt alone,

the Government would find it imposs ble to meet the demand, unless from a reserve

Under the present encumstances, the open mudet of the North Westein Provinces and the Punjuk could not supply a demand made upon it with unything more than a few horses suited for Duropean cavalry, and next to none suited for the artillery, both horse and field, would be precurable

To prove this I give the number of four year old remounts, country-bred, purchased by the

remount agent of the North-West for the last three years and a half -

						20	MATORIA P
1876-77	***			,			13
1877 78	***	***	**1		111		22
1878 79 1879 80	11.7			***			28
1010 00							15

That officer has repeatedly lold me that be his attended every large horse fur of the North-Western Provinces and the Pringib and though be his purchased every available four year old horse according to his judgment fit and suitable for anny purposes, he has never been able to exceed the

and number noted by me show.

Taking into consideration, as one must do, their the remount agent can give higher prices than any one cise, and that thus he has variably the command of the merlet, it only proves how very

few four year old horses suitable for many purposes are available energy sear in these g and provinces. I submit therefore that I support my opinion about the advisability of Leging up a reserve, from these two facts -

That India itself cannot provide us with a supply of remounts, at least not at present, and so in consequence we shall have to look to the colonies, certainly for some time to come, for cavary remounts, and perhaps always for the class of house suited for the artillery branch of the service

A supply of increa driven the cases or make the tor und retriety branch of the service. A supply of increa drivend from a great dissance cannot always be depended upon, and so the necessity of a reserve appears to mee of those and the supplementation of the supplementation o

requirements

I' F Cell as Esq Principal Velomary Surgeon Rengal Army

I consider a reserve of Government horses necessary there being no local resources available in case of emergency, either for British cavalry or for artillery and the number maintained as a reserve should amount to the requirements of the service for one year, which number will be

found, when taking the annual everage casualizes and castangs for many years back to amount to 10 per cant of the effective strength. The number required for the reserve

Years mer to minding to to ber come or one effective percent		
Strength in each 436	Total 2 616	Reserve. 201
Eleven latteries, royal horse artillery— Strength in each 1/8	1,958	195
Twenty two batteries field artillery— Strength in each 110	2 420	242
Total	6,994	608

Yes I consider it is necessary to maintain a reserve equal to one J H B Halica Fry General Yes I consider it is necessary to maintain a reserve equal to one post-Super leadest of Rose Breshing of remounts for British artillery and cavalry say

٠	880 heres, calculated thus	
	Royal field Heavy lattery of royal artillery	1 958 2,420 5 2 780 120
		7,235
	Calculated at 10 per cent on above Margin for selection for officers chargers, cashing, casualties and emergence	723 s 157
	Total	880

But perhaps it would be advisable to have, in round numbers, a reserve of 1,000 horses, as at present sauctioned by the Government of Inde-

G Evans Esq Inspecting Vete-many Surgeen Stal Crob-

Yes but I have no data by which to form an opinion as to the number

W Lamb Esq Inspecting Veter

I consider a reserve of horses very necessary because remounts can generally be purchased in the Bombay manked only during four or six months in each year and ever then the supply is not to be uncertain We have no other reliable market in this presidency to resort to, and as yet do not preduce any appreciable number of country breds suitable for artillery or British cavalry

With the present established strength and without a reserve it is impossible to send a battery on service without drawing such a number of horses from one or more other hatteries as to render it or them medicated. This was very apparent when preparing the two butteries for Malta and the two for Afghanistan last year. I think the reserve of horses for this army should be 200

l G Shaw Esq Staff Veter eary Surgeon Madres Army

A reserve I consider necessary in the event of emergent requirement for service either of this army or to assist the armies of Bengul and Bombay On three occasions within the last twenty years requirements were made from the army for remounts for Bengal and Bombay A reserve of 100 horses would probably be enough

J V G Adams Esq Veter cary Surgeon Remount Degôt, Osssoor

I consider that a reserve of Government I crass is necessary to ensire reg ments and batteries being Lept up to the r strength in ease of up usual mortality or to meet any emergent requirement in case of win The reserve at this depot has inthertal continued to 100 lorses

this number I as been foun I equal to the requirements of this presidency One hundred and fifty is under a percentage of a on the total strength of horses and this, I think may be taken as the proportion in calculating the strength of the reserve

2 Please state the grounds on which your numbers for the reserve are calculated

Locatement-General Sir Bronne K.C.; Labore Di 1 ca. Communications

To meet eastings at 9 per cent about 700 lorses are required yearly but I think experience has shown that there have been addition I special castings yearly, in addition to which casualties have to be provided for

Brig d er Gineral C G Ar-buthnet CB Inspector flexeral of Royal Artiflety for Ind a

The grounds of my calculation are that there should be a reserve sufficient to complete for active service the British cavalry and horse and field artiflety of a force of at least 30 000 of all arms replacing all horses which from age or other causes are unfit for service in the field and also sufferent to meet the casualtes likely to occur during the first year's campaign

The number of regiments and butteries for which this reserve should, in my opinion, be muntained is-

3 Regiments of Bratish eavairy 5 Batteries, horse mullery

To the brittenes neld withley

10

To the brittenes of home and field willery the numbers required to complete present establish, ments for service in this field an e32 and 20 per britteny respectively. I van, however, of opment that these numbers might be reduced without less of efficiency, and that in celepits on for the users 12

these numbers might be reduced without less of efficiency, and that in celepits on for the users 12 may be allowed for a bottery of house artillery instead of 22, and 14 instead of 20 for a field battery. making the active service establishment of the former 190 and of the latter 124

To replace horses fit for ordinary work in customments, but from age and other causes, mult for service in the field at least 10 per cent are, in my opinion, required for both arms, and to replace

easurlities during first year's evangaign about 15 per cent

	3 regiments of Bitush cavaler	5 butternes ho so artitlory	10 battones field at Hery	Total
To replace horses unfit for notive screwce, 10 per cent	132	90	110	332
To complete to active service establishment		60	110	200
To replace casualties during first year's campaign, 15 per cent	198	143	186	527
Total	830	298	438	1,0.0

This reserve, as I have already stated, I propose to be in addition to the reserves at present main

tained at Sahaiunpur, Hapar and Oesson to meet the ordinary and al requirements

If it is not feasible to have this reserve lept by private individuals -and I do not lehere it is If it is not restore to write has seen ve type up provide midstrains—min 160 not state it as feasible—it uppers to me merga-instant that a centum preceding of homes known to be made servers should be refer sed in regressets and batteres with a semilar number standing wide in seasons easily the regime them. If therefore, the reserve her to be mentioned at the expense of Government I would recommend that, in the regiments and batteres for which it is maintained, its presenting of extrained be so mercent that all mores usual for extreme on they tog that the analysis of the regiments of the force of the force of the force of the force of these regiments and batteres for which it is maintained, its presenting of extrained be so mercent of that all more used for extreme they tog that the maintained of the force of the force of the force of the force of these regiments and batteries for the force of the force

Leonierves Cobnes A C sin u Supere tendent, Reserve Remount Depte, Sakarunper

The sanctioned number of remounts to be supplied annually to the army is 9 per cent, which amounts approximately to about 600 had in all. But as in practice it has been found that over this estimate it somewhat in excess of requirements, it follows that the number fixed upon above, though much under what is now being maintained, would be ample for all purposes

Colonel Y D Comper D restor of Army Remount Operations

The grounds on which I calculate the number for the reserve us

There are belonging to the mounted branches of the army-

	Number of horses perces strength	Custage and caracliner 21 per cent	Aumbot of Jornes room red to complete to war stree gd	Total
6 British cavalry regiments, 436 horses, each 11 horse artillery betteries, 178 22 field artillery batteries, 110 "	2,616 1 958 2,420	549 411 608	242 440	3 165 2 611 3,568
Total .	6,994	1,468	682	0,114
		8,1	50	

In calculating the custings and casualties at 21 per cent. I am guided as follows

Nue pet cent is the rate laid down for ensures in time of perce, and 3 per cent for crisualities, but this is to render the regiments and butternes efficient for perce work, and I feel sure that, to and o them efficient for hard campaigning work, a further casting of it least 9 per cent would be neces

sary
If I am right in these cilculations—and I believe I am—it is apparent that (a make the whole army efficient for war it would be necessary, before a shot was fired, to supply 2,100 horses fit for immediate and hard work

In the Afghru company three Borish reguments of carriery, are hattenes of horse utility and as: I stones of field at they were employed or set an assessed at a strength, and is polying the artillary with the accessary houses extended the reconsest of the restrenge, of the theory was fresh house louded that year. These were sent to obta tableters, and they supplied servered houses sected to the betteres their food, but if large conformers had obtained to the statement the food, but if large conformers had not necessary, but number of understanding the statement of the statement

than I here proved very measurements. The are refer the father is now address with in fath be only 750 horses, for the Government have directed that 1.09 young stock between the ages of 24 and 25 are to be professed anomally read in the reserved opplits, and the total of the number of namels kept, nathing these young stock, as not to exceed 1 400° The partners each year of 150 young stock, it there years will make 200 number of professed for the server of their will have to be repair at the deep which will not to be a 200 number of the theory of the theory of the the vertex of executed to houng under your the transpligations.

account of heing under age Colorel 1 Desay Agent for Ro-

mounts Occorr

It is very describle that, in case of an opdemic or of any sudden dential for field service some horses be kept in re-dimess to most such denimal. Microser, there are always a runbler of horses which are unfit to go to the service the fact year, which form a large trem of the

A rearre is also necessary because the coloural florers are only purchased from November to Mireta, and the Person and Condainar deelere bring their houses only during the anno period, and it would be impossible to purchase any number of houses at any other time if required

Mayer W A Roberts D.1 Ro mount Agent Coloutin Recence horses of that age are as a rule the first to knock up and casts necessary for remembs when send on a campaign a put to my hervy work. However as annually for other cuses than age should be replaced in addition to the asserve

Tajor & Capil Officetory So n or As and the printer Keet Army Renount Dop th Scharmy wr My reason for asymag that 1,000 horses kept in reserve would be sufficient is grounded on the first that the issued of remounts to corps were batteries from the two deposits combined has regard from 600 to 500 the best few years. If this is correct, as I believe it is, a reserve of 1,000 horses would meet all calls, kearing an ample balance for authorspean continguance.

T F Call in La Princ yal Veter i iz Surgion, Bengal Arrez J R B Hellen Rea General Super nie dené ek Kar a Recodus Thou question is answered in No. 1

The numbers of the receive we calculated at 10 per cent required annually on second of conducts and extensy. This conducts was served, it by a by the year of it dominates only based on a calculation of consults and deaths occurring among army house during a period of many years.

G Prins, Dig Impecting Ve tot usey budgess took Carde See answer to question 1

W I am to East Inspecting Vetermany S rgood Bombay Araby.

Two hundred is about the everage yearly requirement of ismounts for this sumy, and I do not think it good to keep a larger number in reserve so, unless the depot is cleared out amortly some lorises may be remain in there for years, and so become commonsty expensive

P G State Feg Staff Voter-1907; Surgrow Hadres Arm? A reserve of 150 houses was fixed by this Government about the years 1568 70, but practically this number has never been reached. On more than one occasion requisitions from Bengal could not be complied with

I P G Altens Fig Votermary Surjean Remount Dry St. Onson As stated above, 150 on under 5 per cent on the total strength of houses has intherto been found sufficient for this presidency

3 . Should thus reserve be attached to corps and batternes, or to one or more depots ?

Le towns General Ses Berrie Fig. Command og Labore B : Should be retained in depôts

Br and or General C G Art it of a n., Irrepector General of I spal Arthlery for Ind aThe number I propose to be manufamed to complete betteres to evidence are excitablement, m., 12 per lattery of his searthler and 13 per field bettery should, may appear, be staked to the betteres of the face for what the revers is mentation. The promises of the face for what the revers is mentation. The promises propose (15) for the purpose of replace mentals in outle and text even mand to a state that the complete mentals in the control of policy are completely an analysis a control of manuface mentals are undertained at those to give to make other proposenests. They should, knowers, be madeded with other minerates make mentals on the mental way.

L'entenant Colonel H C Sm th, Sapara tandent Reserva Remount Depôt Sabaranpur

This reserve should certainly not be attached to corps or batteries which have no means for restoung young herses to health after long confinement and bud feeding on shipboard. What is essent al for the newly landed water is a run at grass and an alternative diet, and they should be kept first in a depôt where there would be pasture lands and the means of rusing green folder crops

the means of rusing green some a cops

If the reserve is kept down to 1 000 head, there would be no need
for more than one depth. It would, in fact, he preferable, in such a
case, for the whole of the reserve to be accommodated in one rather than m two depôts

I have combined these questions because many of the arguments Colonel J D Co per Director of Army Remount Operations corps and batteres, uply viso to the point whether remounts should be officed to corps and batteres, and also to whether remounts should go direct to corps and batteries, and also to whether the reserve bases should be norked which apply to the point whether the reserve should be ritached to

I believe that the chief argument brought forward to show the necessity for waters being lept, after being landed for a year in a depôt is that the animals when in Australia are in a nati tal state Darug the voyage they are in a highly unreduced state, and they are in the same state for some time after landing. At the depôt they become again in a return state and thus fits them for the service.

I do not think that this argument is ill hold water even theoretically. I grant that the losses

To now care, the send and agreement is a more more and can get no food but what hey can no a tritard text on Austrial such one they are always loose and can get no food but what hey can pol up for thouselves and I grue also that they we no a highly terminal state when they we had not been they we not a highly terminal state when they we not a simple that they not show that they we not one of the through the start is state in the reverve do stop considering that they we fed on given and forego, and that they was ground shalled that devicted. This is a fault of intermediate state between nature and word, and the horses three very well indeed under the system, but, considered with reference to hard work at the callest period consistent with health, I do not think it necessary or even expedient

It must I submit be borne in mind that we do not want horses in a natural state but in a state that will enable them to work well, and I consider that when you want work you must drop nature and

that it is service them to work with in the state of the white you will a war, you must only all the blate.

It would be also as a service of the work of the state of the state of the work of the state of the stat so to regulate matters that condition and work and acclimatization should all go on together I should be surpused and disappointed if the horses were not doing fur work in three or four months, got wo k in six months and f they were not fit for any nork at the end of twelve months. Herees so work in the mounts was A low were both as or work of the control d'un the six that because a year alle treduct would, in my common he far more it to do service word id un the six that because a year alle to the reserve dopol, and I should bessles have, on it were cettaming min months' word in hand, for I should have not as months words, out of my horses a thick end of the year; and it would take the reserve horses quite three months, after the year had expired and they had joined the lanks, before they would be fit to anything the land word. I feel as a moreover that unmode treated or more would be und more easily broken in than those that had been allowed to become a year older in idloness

more contriversaction that toose teach and notes to become a previous re-indicate.

These arguments at they are cornect all apply; I climit to sanding emounts direct to against and brittenes provided the officers concerned on the depended on to have the equation becomes on long with respect to conditioning and breaking in newly handed values. This includings in a more proposed of the contribution of the

they do so. The rome mis would belong to the reg ment or bettery, and the regimental establishment would be sufficient for taking care of them banking them in &c, and the men and all concerned would not unlike the an interest in the animals is blonging in it were to themselves.

This would not be the case with the reserve houses. They would be in crosses of the estublishment, and would probably never belong to it, and there would, I believe be no means for breaking them us.

The more property of the design of a "ma mater which the whole thing would certainly fall and the property of the state of the property of the state of the property of the property of the state of the property of the prope reserve Food, attendance (for they would require a syce for each horse), breaking in expenses, contingencies, &c, would be more expensive according to my system than in a loserve depot and taking the whole subject into consideration, I am convinced that unless the horses are nauted for nork or at my rate unless they can be properly worked, they we far better at a depôt than with regiments of battenes

Moreover, elthough thus pulmps is out of my province it appears to me that these horses would, in anitiary pediat of view, hamper the reguents and brittenes to which they are attached and it in all the system on an emergency angult pione desarrous. If a nur neer to beyet, out out of half the mounted branches were employed immediately the whole of the reserve would be absorbed to one. It would then become accessing to make large purebases as soon as possible and where could these breasts be sent? The necessity for a regularly organized stable kinema for the purpose of receiving, taking care of, and distributing when in condition, these horses would then, I think become abundantly appraish

The point of expense will be referred to in my reply to question 7, but I may state here that the actual I cop of a horse at the reserve depots is very small. What makes it appear expensive is the cost of the establishments which are thrown on the remounts, and but a small port on of these would be got rid of if the reserves were kept with the regiments and batteries. The director, the remount

agents, and the establishment in Calcutta would still remain

To so us ud batter es. I beg to point out the advantages of a

In conclus on with reference to these questions I beg to express my opin on that if as I believe a reserve is necessary the present system as the best the cleapest and the most effice t that can be de used b t f reserve a not required I should consider that the remounts should go direct to corps and hatte 1 s

Only one reserve s equired at the remount depot Dossoor mone Co a 1 A Drucy Agent for R moun s Co ton should le attached to corps or batteries

reg menta rese e of remounts over the prent system of reserve depôts mount Ag at Ca on to m add t on to the s ying of the establ shments lat-In case of a sudden call to act a se uce the tresh young to examp esent and available for

the ranks

2nd —The commony in travelling of these At present water sense also a sent from Calcutta to Hapur and Sala, up in by I (to state on to the forms place being Ghazershad) from which depots they are traited a re- pa and latients except up the bothernes at and below Allahated which no v rece we d rect from Calcutia

The difference of rail my faces between such statuous and Gh zecabad would thus be saved anount in the case of Ca unject (for Cu ripore Lucknow and S tipur) to over He 1900 per annum to in ing a lytic amount ephacement of locus cast (or T per cent) besides avoiding the expens and trouble of the march do un of these houses from Hapur to the ristrictions

8 d -I submit that the time spent by wher emounts at a eserve de of a practicelly wisted and that so far from control ting to then effect of they become sly of Luropeans and masterful over totler freedom vi ch I that must be nour out to the large of a horse the has q to lately

The government of a far the smoother spire one to the spire of a flores, who has a to lately be been attending for from 46 to 60 days a condiminated in the box with p 4.—If the he sees not direct to copy and lattice or they could at once to familied by Durryseam and would be both and more a by breade in with the set of age to the near. The op not in a bread on the carpes one of it to those as 1 deeptoble 10 miles have not and my expere conce of the ner val of a betch from the carry force of the spire on the carpes on a did to be set.

Ma or W A. R burts BA Be

May r A Cap Oft tag Sen A tan S p n e or t, Army Ressount Dopôt, be harung e I am of op n on that the actual reserve of remounts should be kept at one depot I do not thank t would ever be found to answer to attach them to

so a m and butteres
I then I the futte plan was adopted t would go orse to great

confi sion and we ld be extreme y mosures out in many ways Bes des I doubt mual whether the expend ture on one to he ass a y they were attached to corps and batta as would not fa exceed a the aggregate the amount the same numbs of horses would cost if trached to one re erve 1 jul

I refer of course to cost of feed establish ments and contangene on

FF Co as Fq P gol Votenza y Sa good E ngo Army Each caval y regiment should have to own reserve attached to to placed as cav lry remounts are at lome solely under the as oof the rega me tal veter mary surgeon subject to the commanding office scontrol and under the cholast c management of the reling master and they should

There we can be sent to a depth to be entire that the control process the control process that any surgeon of a bittery can never be set of the control process the control process that any surgeon of a bittery can never be sed eithing on the control process that y and if not process the control process that y and if not you command any officers we not it is entirely as a rule of all to the management of a server self updained by it were my localized a physical poly that the tron occume purple, butter afrom an officer self updained by it were my localized a physical poly the tron occume purple, butter afrom an officer that the process the process that the process the process that the process tha commanding which I think will lend to se fy the statem at U der ommanding office as miller to the one above refe ed to a d of heb there a e b t too many I fea n the serv ce at would not be conducte to the best at six of Go erament to pace young nacchmat zed horses

Copy of lette No — (Cosualises—He es) dated August 18 9 from Officer Command ng —Battery
—B gade Royal Art He y to Officer Command ng Royal Art He y —D vo on

Will refere ce to t repo t of the deaths of three b then hor er two on t e 31st ultimo and

What refere ce not a region to the content of the reference of the reference of the nor to get at 6 following detailed of the remandations in such institute of the recept of the potential of the court of enjoy will obvious held.

I can be called upon question were under transferred for prodult parts. I o deced it is furner on the stells into it to see I was up of more. I animent and not know made also a held en with hot water The furre informed me if it be wis uniming afact of the blue o nument so I fold him to i se the land de of me cay matered the bookde of me eary however skept mats movestate and not redy man and lact specular de The fet was over looked and whom the bressing was applied to acted is so each ste causing so much r t.t on that infl minut on set a and in spite of every effort to reduce it it e borses succumbed

Coly of letter Ac - (Horses) dated A gust 18 9 from Officer Commanding-Battery -- Brigade Royal Art He 5 to Stat on Staff Officer ...

Will reference to letter No "69 from the assestant adj tant general O dh d as on dated 4th Any of Start I have to exervine the exementary can be govern U on a room cased at a Any of Start I have communited that the fact of the fa occas on to apply fo the services of a reterma y surgeon e ther m the first ost not not or after the death of the two he ses on the 31st July

(1200)

J H B Hallen E q Coneral Super nten least of Herse Breeds ag

To one depôt In this depôt Australian remounts should be acclused tized for a period of from six to twelve months according to circum stances Erstern horses (Person Gulf, And) Cobal and country form might be resued when in condition, or if bought in good condition be

sent direct to corps and batteries

As British caval y corns have each a nding master and veterinary surgeon so in reference to as nonise cavaly every survive and a muning account of vectorinary surgices to an interfetch to question No. 4. Australian is encounted might be supplied them direct then december med divining the passed of reclimations on would be under the professional. Using of the vectorizety on would be under the professional. Using of the vectorizety surgices, as obtains and is found to answer satisfactority with remounts of cavalry on home service, and when fit be handled and brol on in by the rid ng n aster

As there are not a reformany surgeon and a niting master with each britter, of artillery it is alore that all artillery remounts be sent to the reserve depôt pending the tame when they will become fit

and required for allotment

I tale this opportunity of carnestly alwerting that the very excellent and economical system obtaining in the Madies Obesser remount depot, of treating, handling and training remounts, should

he introduced in the Bengal depot numerouses in it is usually in December 1978 of pudging of the very practical working of the Madru depth, and would scheet the personal of a report on this depot by the inspector general of intillary in 1876 submitted to the adjutant general for the consideration of His Lacellevy the Commindar in

G From: Enq Inspect og Veter mary Sargeon End Croke

Attached to corps and batteries, because the more they are distributed the more officers will there be responsible for them and the better change will there to of securing at least the best are age attention &c , paid to then When they are all together, they may all be exceedingly to immaged and economically or very baily managed and wasterily depending upon the character or spittede for that special duty of the sensor officer in charge

W Lamb Esq Inspect og Voler mery Surgeon Bombay Army

I thal that the reserve of horses for the Bombay army should be keep in one depôt, centrically siturded on a line of railway and for the par one whose Almoshagu is pirticulty well adopted. The climate is gode thouse do well there forego is generally cherp and there is rangle and good stabling now mooseast and scally for use. Also it is very central and accessible, being on the loop line of the Greet Indus.

Peninsula Rul vay (the Dhond and Manmad Rulway)

The objections to attaching reserve horses to corps and batter es are first that, being scattered all over the presidency the reserve could not readily be drawn upon in case of emergency second that Gulf borses, having to be enstrated and Australians to be seekmatized require special care during the time. This special care can only be given by those having special knowledge. Officers of corps and time. This special case can vary originate by those naving special knowledge of moments or come as come betternes, being an extensively changed and often quite new to do positionizes of this climate ind country, cannot be expected to have if at special knowledge or experience in the sum of agrees as often of a normalization and articles of a standard concepted with quening losses would have. Many young reterinary surgeous recently from England has been it the or no praction in centrations, and the farmer still less

F & Staw Psq Sina Veter mary Surgeon Madres Army

In this presidency the reserve horses remain at the remount depot where the cost of forage and attendants is over one third less this with a regiment or bittery

J V G Adams Pay Veter nary Surgroup Remount Depot Oceasour

I am of opinion that the houses should be retained at the depôt (one is sufficient for this presidency) to be read; for issue to the service when required

4 If to the former, should they be worked or held strictly as a reserve, being merely broken in and excisised?

L sota ant Gener 18 r S Browne, E C.D Con mond gLaloreD sos

B golder General C G th ti not c.B I specie General of Royal Artillery for India

Loutenant-Colonel II C Sm II Super atende t Reserve Hamount Dopot Sakarunpur

Opinion not required, as reserve depôts are recommended

It ose attached to butteries should be merely broken in and exercised until they have been one year in the country and a e five years oil, after that they should be put to hight woil, at the describen of the communi-ing officer. They should be transferred annually to the battery estab-halments are habment as vacai eies occur

To break in these horses at a depot to any good purpose need required a very large establishment. And I consider that no commensu

rute diamatage would be obtained by adoption of this measure

Remounts should be transferred from the dejot to the service in good health good condition and computatively free from timulity beit the healing in should be done after they get to their respective corps by the establishments kept for that purpose. This is the rule that lat-citized by the conditions of the c the establishments kept for that purpose obtained in theiro, and it has worled well

Colonel A Drucy Agent for Remounts Governor

No reserve with corps and batteries

Major W & Roberts L.L., Re mount Arent, Calcutta

They should not be worked but be held strictly as a reserve, broken m and exercised at the discretion of the officer placed in charge of

Major A Capel Official ag Army Permetat Depat, Saharun

The best way to cheepen remounts without impairing efficiency is in my opinion as follows ---

Al olich the remount agency as at present constituted in Cilcutta, and led the dates of the remount agent be performed by the director of army remount operations, who, during the cold worther has next

to nothing to do. Let the remounts purchased there be sent up country at once than kept at Calcutta, where feeding is very expensive, and let there be sent up under charge of overseers with a pass, and not under a voterinary surgoon who draws some 400 rapes travelling allowance for each journey up and down

Revert to the old station ensuing committees, and thus sive the expense of two committees, each

consisting of three officers, for change if not up to compare, we are sprange of two commutees, each consisting of three officers, for change if not up to combit during the cold worther Abdon's farming questions at the reserve depth, we contracting for gram and folder is change for jumping on only a sufficient number of balled is for increme, implies and carrot cultivation, thus mostle to arbot clerify occurrent.

I unite the abor e on the supposition that this depôt Scharunpur, is lid ely to be retained as the reserve termo int dej of

For I believe firmly that abelishing farming operations here would be a considerable gain to the

Government My reason for saying this is that at Sabarumpur there are about some 3,000 pucks beegahs of land, the property of the Government, a buch land is now called the depot form

After retaining as much of this land as would be necessary for lucerno implies and correct cultiwhose temining is now to the land, I submit should be farmed on the following system, I now as the only latter and which was produced to the old Poorsh should opt and by which our supply of outer stany was obtained—our standard fodder, which horses always at greedly, and with benefit to themselves, when other ferage, such as gr en grass, &c. , fails during the winter and dry months of

I here describe what the half batty e system is-I now userine was no main using experim now.
Say you have 1,000 because of land, nine allelief out in earth portions to Natives, on this agree-ment say that a man holds 5 because 21 of the 5 be may outhrade with his own crops for his own benefit, the other 25 he hands himself to cultivate for the depot with eats

The deptt provides the assumes with seed he on his just ploughs sons, outs and binds the onts in struct and brings it to the depot stack and to be neighed on his our crits, without any actual payment from or to the depot further than that he holds his own 24 became income of rent

If the assumees here would not consent to these terms, they mught be puid at some nominal rate for the cats

In fact, some arrangement could be made which would be for for loth, parties to the transaction. By this urrangement being adopted, I see learn that fodder could be got in charge than it is now by depth coltration and the wide farming exhibitament of jecator, make, one ploagham.

and bullooks, outs, see could be dispensed with I frow that the present supermindent, Colonel Smith, is opposed to this system and so I be-kere is Colonel Coupe, but that does not after my opinion that it would be cheaper to work tha

in m lands on some plan his thus then the way it is managed nou Amalour finning operations are very interesting, but no all know, at the same time, they are

vory expensive When d d a country gentleman ever mal e his farm pay?

Tetablah dua raning depot, and purel as young county bred stock at 7 meetles old and upparels. In making a reating depot, there is no necessity for expensive buildings. Thatched much hats would answer quite well, with a puccy growny and water troughs
The stock to be reared on the hierty system, amount of gram to be dependent on nature and

quantity of past nage

One spec to be lept on every see head of slack up to 21 years old

One to three over that age one general and make to each stable. Long stock do not want closing or greening but should be supplied with plenty of hedding,

which is cheep enough
They should be allowed to run loose as much as possible in Fool, should never be tied up

Horses so reared should not cost more than Rs 700 or Rs 800 all told by the time they go into the service Such a system would ensure a constant supply of remounts able to stand the charate, and the

motion a system rooms a course on support or common and various was consequently of them field sented for carried y purposes.

I fed a samed first unless such a dip the internet, and young sleet, purchased from the breedess to be revert there until 4 person that the forestructure, with the same deplotable country as these obtained by the remount agend of the North Western Provinces for the last three years and a holf

At present nearly all the young country land stock in longist up by the dealers Breeders as a rule, have not the memo to keep then stock up to 4 years old

Their object is to sell and realize as soon as possible after wearing, and they find no difficulty in dume so
There are always a certain number whose cursumstances compel them to sell and the dealers, on

a look out for a cherp hugam, buy them and take them away into the Native states, where they

a job, cut not a care of migrant way beam of a pears old, and if the Government make up their make to the police and police may be and a pears old, and if the Government make up their make to buy nothing under b, if ye would of course get very few modes! When I say their a renormé so revers' should only one Re 700 or Re 800 by the time he goes into the service, I go upon the facts that the average price of a country bred yearing, as given me by Appendix IV]

the remount agent of the North West is Rs 167. His keep, mainding stable establishment and contingencies for 4 years, should not be more than Rs 6 a month, or Rs 72 a year, or Rs 233

His paree and keep show therefore a total of Rs 405, exclusive of the pay of officers, overseers

and office establishment I do not know whether it would not be possible to make a great reduction in this respect

At the present moment it must be very here;, is the director of army remeant operations estimates the cost of each home I ept at a reserve depot as Rs 330 per annum

Our average rate of feed for last month, including stable o-tablishment and contingencies, was something below Rs 9 8, or Rs 114 a year

In cherp gram years this of course would be much less

So the difference in each horse of Rs 216, or, on a reserve of 1,000 horses of two lakks and extrem thousand rapess shows that very herry expenses cost elsewhere, over and above the actual cost of feeling remounts and then stable establishment

I am of opinion that a rearing depôt properly started, with only its actual legitimate expenses charged thereon, should be able to turn out remounts at 4 years old, from Rs 760 to Rs 860 metadang all expenses

If such should be the case Government could not complain of the result on the score of expense. To conclude, I must submit that the present method of keeping a number of horses over and

To concises, A must susual turns are present measure as acquire a control of nonzest oper rough above the ortical performents of the Main as may be must be set 1,500 head of stock, which is first The two depths of Hayan and Salerampur constant about 1,500 head of stock, which is far were real solar with its necessary. The is a illustrated fortally by this concluding free, that at this depth alone the following house have been head there as queek expense, samply doing nothing bat eating their heads off. The question is, alonally such be the case, our your depote to desiry on such a system?

I note on the following page the date on which certain houses arrived at this dej of from Calcutta, and have been standing here ever since doing nothing but costing money to keep

***	i literatura.	,			,	-6	0	
1	ate of arm	al în	on Calcutta					No of horses
	Novemb	es li	674			***		1
	October	und	November	1875		444	414	3
	,,	,,	2)	1876		***		13
	,,,	22	22	1877				10
	2)	13	22	1878	**	**		259

The 36 houses that arrived in 1874, 1875, 1876, 1877 must have cost nearly Re 20,000 Leeping, at Colonel Comper's calculation of rupers 330, the cost of keeping a remount per annum

If a namedy could be found for this state of things, 44 of keeping more houses in reserve than

were actually necessary and wanted, surely it would be the saving of a good deal of money

F F Collins Esq Principal Veterman Surgeon, Bengal Army

In the cavalry they should be held strictly as reserve, merely broken in and exercised. The first year of adopting this system double work would be thrown on the inding establishment, but subsequently no extra work would be required, as the reserves would then only have to be broken m

The artillery reserves should be eared for and broken in similarly to the principles established at the Oosson stud in the Madias presidency, which system will be no doubt dilated upon by compotent authorities

J H B Hallen For General Supdt Herse-Breeding Operations

Answered in reply No 3

G Erens Esq Inspecting Veteriousy Surgeou 2nd Circle

Some of them might be put to work soon if the veterinary surgion m charge certified that their joints were well formed and they were generally in the condition. I consider that steady work would be good for them as soon as they are thoroughly trained, so long as it is not secree for I tim age. Training should along a be graded and show I is in the rapid movements, the endden wheeling round, and pulling up, that rains joints not well seasoned

W Lamb, Esq. Inspecting Veter Instr Surgeon Bombuy Army

I do not advocate reserve horses being attached to corps and batteries, but if that measure were decided upon, I should advise their being worked

P G Shuw Enq., Staff Veter-inary Surgeon Madras Army

Nominally the reserve horses at the remount deput assist on the farm, but their assistance is seldom required, the work being done by special or firm hoises, i.e., bores rejected as remounts for defects unfitting them for army use. Liery horse at the Ooseon remount dej of is broken in, and is, after a few months' acchimatization, fit to drift into the service

J V G Adams Esq Vetermary Surgeon Remount Depôt Go soor

I am of opmion that horses of the reserve should be retained at the depot and treated in all respects as other remounts, being simply broken in and evercised, that they may go to the service fresh horses, and not balf worn out, as many doubtless would be if attached to regiments or batteries for work

The horses of the reserve would be assued annually, or as they may

be required, and replaced by fresh horses

5 Would any, and what, extra establishment be necessary for this purpose?

Leut Genl S'r S. Boo ne E CE , Command ag Labore D wants. Opinion not required, as reserve depôts are recommended

Br gr Geni C G Arbritant c.R., Impector General of R. A. for Ind a Grass cutters as for other horses, and one spee for every two horses

Licut Col H C Sath Supdt, Reserve Remount Depút, Salarun

Answered in No 4

Colonel J D Couper Durector of Army Remount Operations

Extra establishment would I suppose be necessary but I do not possers sufficient knowledge of the interior working of corps and batteries to enable me to answer this question satisfactorily

Colonel A. Drary, Agert for Remounts Gossour

No extra establishments are necessary

Major W A Roberts n.s., Re mount Agent, Calcutta

Only the syces and grass cutters, with a jemadar of the number is large. The reserve horses could be placed in charge of the riding master or adjutant of caval y regiments and the exprain of a battery, or some officer that would take interest in such a chaige if the captain is not available. A few ' kutcha' loose boxes, for the horses to be left loses in at first, could be run up at a very trifling cast, similar to those m use at the handing depôt here

Major & Capel Offic sting Sen Assistant Superintendent Are Remount Depôt Subarunpar Army

In my opinion this could never be found to answer It would be preferable to attach them to corps and batteries, but I do not recommend either course

I think, even if you found the men to take charge of remounts under these conditions which is most doubtful then the objections that could be used against such an arrangement would be found for to outweigh whatever could be said in its favor

F F Coll us Esq Principal Vetermany Surgeon Hengal Army

In the cavalry one senior sergerant of the regument would under the regimental veterinary surgeon be in charge, and the only extra estab-lishment required would be a syct to every two horses As regards the artillery reserves, the system adopted m the Ocsacor stud aheady referred to should be carried out

J H B Hallen Esq General Supersatendent Horse-Breeding Ontrations

The extra establishment required for remounts of attached to cavalry, should be limited to one extra spec to every two horses

A scanor and selected suggest of the corps should be detailed to
have charge of the remounts under the veterinary suggest

G Evens Esp Inspecting Veter many Surgeon, 2nd Circle

I do not think that any extra regimental establishment would be necessary, except the syees with a good sergeant and some steady troopers or drivers to look after them

W Lumb Est Inspect of Veter tracy Surgeon Bombay Army

None, except a few syces

P G Shaw Esq., Sinff Veter nary Surgeon Madres Army No special establishment is entertained for reserve lorses at the remount depot they we handled and broken by the sowners of the fixed establishment. In fact, beyond their absolute cost for keep, no special expense is incurred

J V G Adams I są Voter nary Surgosa Remount Depte Ocessor

At this depôt there is no special establishment for horses of the reserve, they simply have the spec for every two horses and are treated in every way as other remounts, being propared for the ranks

6 To what particular divisions of the army should they be posted ?

Louisgant Gueral Sr S Browne E 0.8 Command og Labore Divisora. Be gruber General C. G. Arbuth not, Cu Inspector General of Royal Artillers for Ind a Opinion not required, as reserve depôls are recommended.

Lt. Col. H C Sm th Supart Re serve Remount Depôt, Sakarumpur

To hattenes of the dryssons for which the reserve is maintained, and which should be those nearest to the north west frontier

Answered in No 4

Colonel A. Drurg, Agent for Remounts Cossour Major W A Roberts B.A. Re mount Agent, Calcutta.

То пове This is a point I recommend should be left to fresh orders annually, depending on the annual rehel for instance, a corps or britters which is to move from a down country to an up country station might be supplied with a strong reserve ently in the coron or towards the close of the previous season, whale those coming down country might, if their arrival is to be at all late depute an officer and Native establish. ment to then new strinen in advance, to receive their reserves tall the head quarters units. The enther in the season this could be done the better as Cyleutta expenses on houses are high

This unangement would save travelling expenses

Major A Capel Official ng Sen or Assistant Superu frodest, Army Remount Depth Salamapun

The reserve should be kept at two depôts, there should be one rearing de ôt and one reserve remount depôt

Army Remount Daylo Saleraneer
As long as wholes we punchesed—and I behave they will have to
be punchesed for norm years to come, both focuses no other class of
here will be variablely, and also because. I study, it will be dascovered that house and field betterns will near be properly flowed unless by the wales, the majority
of whom are admindly saided for draught the country both horse lacking the bone weight and subsince as escential for wildlery purposes. As long, then, as you ampust values you must have a daylo

to send them to

the would never be found to unswer to send them to corps and batternes.

Horses flist landed from a long near 10 age require really careful nursing, that is the only word. you can use for the first six months certainly, if not longer

They are vo at this depôt most of them very much out of sorts very low in condition

They arend most probability above all things in would be exercise in large grass yieldocks or runs, where there is graing and excess conduced, and where they can stretch their legs after being amount of four d stap.

This of course they could not get elsewhere than at a doubt.

Another great point which may appear most trivial at first sight, guined by depot treatment, beyond the general improvement of health is the extraordinary good effect it has upon the tempers

of walers I remember well when this class of horse was first imported into this country, how constant were

the completing of this lived is made yet standing interestability, as the control of the lived in spage yet, standing interestability, as the control of the lived I would reflect not have them; you used to hear offers say "they are such a minime to breat in I would rist the have study keep used to hear offers say "they are such a minime to breat in I would rist he have tookly keep, they are for their breat with the lived took of the control of the cont

You scarcely over hear these complaints about walcus now

I on survey your least case completions much use to show more a survey soldom does thus occur. Here and time a hores is returned for wree to the depth, but very soldom does thus occur. Whith has midd the writer to his so have vidy look ed inpon by earlying and artillary efficient, as to the basis diese of remount that they can got, be due to a great measure to their treatment at the reserve

Many horses unite here from Orientia that no one cun approach and months after their entiral, the horses, or a general rule become prefectly up or and tractable. This result, I contend, would not be graned anywhere except at a dopôt

I am firmly of opinion that, as long as walers are imported and purchased as remounts, they should be sent to a reserve depôt

I have already given my reasons for the opinion that I hold, that there should be a reasing depôt F F Collas Feq Pinepal Vetermany Surgest But gal A may

If I understand this question unght, it is answered in No 3 Creatly remounts should not be attached to any cavalry corps quartered on the fronten or at stations above it may be expected the

J H B Hallen Rag Cone rel Supersutuedont Morse Breed of Operations G Frank Fig Insperting Votermary Surgeon 2nd Carelo

corps may have to move on field service Divided between the cavelry and artillery, but not at notonously unhealthy stations such as Barrel pore They should be allotted at first to the corps they are most likely to be serviced in There would be afterwards a final reallotment, because horses often change much in growing

W Lamb Esq Temperting Vete-

Alimedaugges in the Poons & vision is strongly advocated as the most smithle place for a reserve depôt and no other is considered neces sur for this presidency. But if our recent acquisitions and extended replaced in the direction of Control Asia should enable us to reach or top by an oscilland route the grand rapples of Turkoman houses decembed by Colonel Vilentine B bei and other travellers, it might become advisable to form a supplementary der 65 m Sind of in the Pishin valley for the supply of the taous there

P G Slaw Esq Staff Veters nary Surgeon Madras Arm v

I do not thank any improvement could be made in existing arrangements either as regards economy or efficiency

J V G Adan v F g Veterinary Sargeon Ren out Depth Oceanor

In my reply to question No 3 I have stried my opinion that they should be retuned at the depôt

Can you suggest my more economical mode of maintaining a reserve?

L extensat General ٩ŗ Browne KCE Labore D vision Comma den

For the good of the cervier, efficiency is the primary and most maportant consideration, for which reason I am in favor of the depôt s stem

Brigg Genl C. C Arb ti pot c n Inspector Scal of R A for India

None

I ceiennat Colonel H. C Sm th Supervision le t Reserve Remount Depti, Subarumpur

Considering the almost Funne rates for corn that still prevail, it would be difficult index for any horses to be lest for a lower sun than are the resure in the Government depots of Saharupova and Huppiur at the precent time and were those remounts with regiments instead

of m the depths their feed and attendance would cost at least double
which there was it is not the legitimate wedge expected the
department that no high what makes it costly as because it is unglited with that which is of no
use to it because it is charged with a moulty for things with which it has but a normal connection,

and because handreds of foreign based one par lasted and leps by its necess of the vants of the entry. There we may say I could suggest for the extension of economy in the mode of maintening the reserve and ways for that extending sugarb to said is the efficience of the department; but as such matters need to be treated in detail, I must prior you to the statement? appealed for my recommendations made it is made.

Colonel I D Couper D rectar of Army Remount Operations. I cannot suggest any more economical mode than the present of municuring a reserve, but I think I can show how the present mode can be more economically conducted

A short time up, of recept of a letter from Government regarding reducing expenditure in every possible way, I went critically into the expenditure of my department when I found that the expendive for taking charge of a thousand horses in two deputs in a follows—

whereas to take charge of 3,700 herees in four depôts, and 2,000 broad mores in the districts, the executive in 1856 was —

I brought this matter to the notice of Government, with suggestions as to how it could be remedied, but these suggestions were not approved, and I was directed to remedy the matter in some other

I have accetained, by personal suspection and otherwise, that the whole of the thousand horses now kept in the two reserve depths can be kept as one (Salvaranaper) and the adoption of this measure which will aboutly be submatted for the approved of Government, will cause a saring of it lead its 5 000 a year.

I am also should be recommend to the Government Stat the establishment in Colonita should only be kept up to sex most the nutread of as at present, for the whole year, and thus measure, if sanctioned, well takes on a natural saving of Rs 10 000

The hones no now ruled up from Calcusts under the charge of an overseer rustered of being kept must the vicenary suggest on the kept must be cost of the kept of the becases in Chertain as serious order of the becases in Chertain as serious order.

one year two inted to mp raise of Re 4 000.

Then no doubt that the department will be charge, and will be by far the most economical and effected way in which the reserve can be kept, provided the departments one expenses only one theory open to

Colonel A Dracy, Agent for Remounts Cossoor The person system of Leagung a reserve at one depth to the mostcoronard. The permutant establishment must be kept up throughout the year. The only additional cost per leave to on a wreege about Rs 13 per month, including all exposes for attendance, forage and verturancy driving.

Major W. A. Roberts S.A. Remount Agent, Calcutta.

meent Agent, Calcutts.

Major à Capel Offic at og Sen er
Åss stant. Supermittal Lent. Årmig Remount Deplis Saharuzgur.

Depends on age Sx months' proper ever and attention will greately under nearly handed walnts like for noch but if 3 or 34 year old hence may pushed, they regue to be 1 legh 1 longer time, in edite to discloyer themselves and became fit for the not very light work of a true per buttery hence.

F F Coll as Esq. Prose gal Vetermary Surgona Bengal trusy

In Judy I question of any more economical and efficient method of monaturing a reserve can be found than that suggested.

This salpect has been under my consideration for many your past, and I am of common that there as not a more economical mode of

maintaining a reserve than that indicated previously by me

J H B. Halber Esq General Supernateurist, Horse Breed ag Operations

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I cannot

G Branz Esq Inspecting Vete runary Singeon 2nd Circle W Lomb Esq Inspecting Vete runary Surgaso Bombay Arms

I eznaot

Appendix IV]

F G Shate I'm Staff teterantry Surgeon Madms trun Answered in No 6

J V G Adams Esq Veter sary Surgeon Removat Deput Gesson I can suggest no more consumed or efficient mode of maintaining a reserve 12 an that evising at the a depth. The reserve is a I live strict, Innuted to 100, and the horses are traided in every way as other remoints pregiating for the service and I am confident that in no other denaturent could here be heart also so set.

8 Would it be feasible to allow this reserve to be kept by private individuals at large stations, to be maintained at their expense and used by them, but subject to periodical inspection and immediate recall in time of war?

Louisment General S r S Browns R Co Commanding Labore Divi I think the assected lone to perrete individuals would be an unestificatory statem. Officers only would take an interest and probe in proporaly isolong officer Government horses. Beye cannot afford more through that is actually moses it , and they could not be depriced of them at the moments they were eigen tell also officers of service. Moreover, all sixing mosters and it much quiedex and simpler woul to break in fresh horses than to metracel animals which have been used for other proposes.

Huged or General C G Arbuth not, o n Inspector General of Royal Artillery for India.

In my opinion it would not be feasible, but the experiment might be tried at once on a small scale

Leuter upt. Colouel H. C. Smith Supermite dest, Reserve Remount Deptt, Subarunpur

No it would be utterly impossible to maintain a reterior in this way.

There are no private individuals so encounstanced in this country is to
enable them to loop any large body of horses at all, far less to keep
there are the army recover ought to be kept

Colonel J D Couper Derector of Army Remount Operations Such an arrangement would be found unproducible in every respect according to my judgment. The reserve now is formed from the last purchased heres which are medicious on poung the reasy to the scene efficient hefore they are sent to the saurce. Plurets individuals would never consent to scene medicious thorses, and if my other plan were adopted, the res it would be that the practic and valuals would have the efficient seasoned horses, and the medicious it unseasoned horses a void be sent to the service.

Calonel A Drawy Agent for Remounts Corper Utterly impracticable as regards efficiency, and no private individual could keep a borse for the same money

Major W & Roberts E. 1., Remount Agent Calcutia

I do not I doubt if they would meet with proper treatment, even if private individuals could be found who would accept horses on such terms

l' l' Coll us Esq Princ pol Veterioury Surgeon Bongal Army In Europe this system is probably friendle, but in India the scope for selecting fit persons to undertake the clarge of reserve houses is too limited, and the system therefore I do not consider feasible

J R H Hallen Feq General Superintendent Herse Breeding Operations. This system does I believe obtain in countries in Iuropa, hat it does not appear has able in India, as the field in selecting private done land; land that all reads to medical to the charge of vary vesor se howes under the terms noted is too limited. A trial of this system where found practicable, may be made but

G From Feq Inspecting Votermory Surgeon 2nd Carele A trial of time ejecem where tound practicalle, may be made. Our I doubt it proving in the end so satisfactory or economical as a reserve depot on the Ocssoor lines

W La ob E q Inspect of Vetermany Surgeon 2nd Curele
W La ob E q Inspectible
Vetermany Surgeon Bosilon Arms

I think not

I do not that any scheme of this I and will be found practicable. Durquess efficience and others are too labels to analous and frequent moves from one states to a solber, and Natures are, as a rule, such brail nove mesters that descending valuable marries to them nooid, in my opmoni, lead to greater lesses than the leep of loves memployed by Government would some to. An analogoment of this land seems to may recombe in the seems to make the seems to make the seems to make the seems to be seems to be seen to the seems to be seems to seem to be seen to seem the seems to be seen to see the seems to be seen to seem the seems to be seems to be seen to see the seems to be seen to see the seems to be seen to see the seems to be seen to

F C Show Dog Stall Voters nor; Surgeon Madras Army To a certain catent it would so feasible to gue to the use of pair and ungle, the saddle, house to up need persons a conselection for, that Acep. To the most part the a gife or saddle houses to rougher, the continue of by inflantity officers set of ugers &c lat the occasion calling for these surrections gets house usual to be then purply at the officer would be called anyon servine, and when he would most require a house and unable to such banaciff in the market. A smaller species more precisived

in this preadency of hinting out commission it makes to private persons for the cost of these less and titles hand, the supply we not equal to the dearned. Though I shart the "fest-oblist," I very much deprecate the practice. Contacts and conditions would have to be entered into between Government and their semints, and endless disputes would

J V G Adatos Fun Veteroster Surgeon Remount Deput, Cospoor

I do not consider it would be feasible or conomical, as in spite of my penodical inspection, it would be impossible to prevent a maximum of work home exacted from these borses and I am of opinion that horses of the reserve should go to the "ervice with all their work before them, as other remounts, and not as half worn-out houses

9 Should remounts purchased in the open market go direct to corps and batteries for work, or be gradually acclamatized in the reserve, attached to corps or depôts ?

Lectoant-General S'r S Browne K CB., Commanding Labors D :

Remounts should be purchased in the open market, and if of mature ago and otherwise fit, may be transferred to brittenes and regiments close at hand requiring remounts. This would be applicable more specially to country bred houses Colonials generally arrive in such miserable condition many with seeds of disease in their constitutions that great attention, nuising and runs in paddocks are essential, and this can only be afforded at depôts

Brigadier General C G Arbuth not, o n. Inspector General of Reput Artiflery for Ind a

All Australian remonats should be acclimatized in the reserve and sent thence to corps and batteries for worl

Other remounts purchased in the open market should, if under five years old, he sent to the reserve to mature

If over five, they might go direct to corps and buttaries

If there are reserves attached to corps and buttaries those reserves should be the first to be sent to west, and their places should be filled up from the depôts

Leuteneut-Calcael H. C Sm th Soperatondeut, Reserve Remount Dipôt, Sadarm pore

No, remounts should never be transferred direct to corps and batteries, but should first be sent to the depot and there kept till their samitary state was assumed. This applies to all but more especially to violers, as experience has proved how much the Austral an horse has reon in favor smee the depôt system has been in vogue. Before this walcis were still

ment stude, which was quite predicted in large numbers, to supplement the outtorn of the Govern-ment stude, which was quite predicters in the wants of the army, but they then had a reputation for bid constitutions and being difficult to wanteger and were decodedly unpopular. And no results for the poor creating is risk then no chance of recovering their health, or guiding took the full use of their large after their long ser voyago

Colonel A Drury Agent for Remounts Donsoor

The Australian horses are generally purchased at Madras about a week after landing, when they are quite unfit to undergo a long journey. They reach this depot (which is about the ghats and a good climate) within 36 hours, where they are generally put into loose loxes, and turned out to grave in the puddocks for several tours every day and

gradually put to work as they regain there is engile.

If sent direct to corps they would often have to undergo long pourneys before they reached the younge of interty to which they are allotted. They would tale longer to recover, and the cymose connected with their less which they are along motified. They would be much greater than at the deput, keules conjugate that one is man who knew often drives of unpropriete.

All hours at the depot me love on to widtle, and many to horness, before they are sen' to the

service The Airb, Person and northern hones all undergo castraison at the depôt before they are sent to the survice The following will show the result for the past ser years -

Years	•		•	aben 4.	ro£losses wiel	Castalty	
1873 74					266	None	
1874 75					37	None	
187: 76					88	2	
1876 77					243	None	
1877 78	***				203	1	
1878 79			**	••	196	8	
					_	_	
		To	ital m six ye	MS	1,028	G	

Roberts BA. Major W A Remount Agent Calcutta

I am not quite sure as to wint class of remounts are here referr d to If Persons and country breds, they would not require the same time to acclimatize as a water does, not would a water bought up country, if he was not a fresh landed one Posting them to regiments and bitteries and learning the point to the discretion of the officers commanding would, I think, be a sife plan

(1208)

F F Coll 5 E q Princ pal Veterinary Surgeon Be ignl Army

J H B Hallen Esq General Supdt Horse Breeding Operat one

C Frons Esq Inspecting Veterious Surece 2nd Circle. W Lamb Fee Inspecting Vote rinary Surgeon, Bombay Army

I G Slaw Esq Staff Vetera narr Surgeon Madras Army

As stated in maswer No 3, eavily, remounts should be sent stright to their regiments when lot on service, they should be sent to a reserve depôt near the base of operations Artillery remounts should be sent to the reserve depot.

Answered in reply No 3

Go to the reserve attached to a regiment or battery

Arabs, Persons northern horses and country breds do not stand in need of rechimitization, but they have to be easterted, and should not be worled until well over the operation Australians do require to he acclimatized, and intil they have become so work is not to injur-them. All horses, therefore, should be sent to the reserve when first

purchased and not be put to work at once Unquestionably the remounts should go to the remount depot, and there rested and reclimatized before being drafted to the service. In this presidency, the only market is Mindras for colon als and the western coast for quental horses, the latter me brought to the Oosson de ôt at dealers' risk and cost, and as they consist almost exclusively of entire

the decises make and ones, and as sucy consist unness columning of entire houses, they are then custrated under speech and as allular management, the mortel gr to many years past but not reached one pare as . The chamile of Occopy processes speech distintages for the columning the set in a smalled on the Mysory platters, 8000 for chaose calcular with industant graze g (a se ques so it the fruitly imported colonily, and to these freis so abundant grass and its climatic, as the the rapid recovery from the serve vagin and speech vectorization. The contacts between borses of the same shipments, see those that remain at Madras on go to other stations and those soult to Oossoon 18 most marl ed

I feel quite certain that Government gain considerally by having a depôt at Occasion, and that the horses of this army do better service than they would otherwise do wore they sent direct to rega the access of this willy to before setting the property of the control of the con

3 V G Adams Feq Voter bury Surgeon Remount Depth Obstoor

Australian remounts are certainly unfit to be sent direct to corps or batteries for work, as they are often landed in a wrotched condition, and take a long time to recover and to become and matized

and between the state of the st

the effects of the 101 age and journey up counts.

I therefore think it indispensably necessary to send these horses after purchase at the port of landing to the depôt, where they can gradually be got into condition, acclimatized, partially broken, and propored for the service

10 If the latter, what interval is necessary before they should be passed into the ranks?

Lacut Genl Ser S Browns, E c.m Comda Labore Der e cu

They should have a year's acclimatization at the depôts

B gad or General C G Arboth not c n 1 spec or General of Royal Artiflery for 1 dus

Le i Cole el H. C. Sm il Supe ale lent, Reserve Remount Depôt, Salsarunpere

Colorel A. Drury Agent for Personnts Cossoor

Australians should be one year in the country to acclimatize Other remounts should not be passed into the ranks until they are five years

The time for remounts to be kept in depôt should in my opinion, be for walers one hot season and for cour try hreds three months After this inferral, they should provided they are four years old, be available for transfer to the service

Horses are purchased in the months of November December, Jun may, Tebruay and March they are ready to go to the service in September Some are ready sooner and some few take longer to recover at depends upon the condition as which they are landed and that again on the nature of the voyage, and whether they have been too closely packed on bourdship

Should the horses be in condition to go to the service before Sep tember it would not be advisable to move them (even by rul) in the

hot senson, unless required on emergency I rom ax to eight months may therefore be taken as the interval necessary before they be passed into the ranks

Vaj r W A. Roberts D.A. Re

As above only with a strict regulation that no water is put to any worl during his i ist hot weather in the country

F P Call no F q Princ public cruza e Sprgeon Bengal triny From six to nine manths after purchase The season for transporting artillery remounts should be considered

(1209)

J H B Hallen Esq General 6 p rationdent Herso Bre vl vg Operata us

As nowe which in reply No 3, exclere horses of an good condition and not less than four years of age, may be sent, as purchased, direct to carps and butterse, it not in good condition, should be won'to the reserve dead.

Australian remounts should unlergo in the reserve depot, or if attached to enviry comps, from six to tacker months period of neclina tention, at the case time training and breaking, before being passed that the rails

G Evans Esq Insporting Votenmary Surgeon 2nd Circle I would not even than tool, for a degrade surviviving the condition and age of the animal at first. It should be laft in the veterinity angular me and the state of the state of the state of the state of any of the state of the state of the state of an angular size at a possible of first. Very vertice are so tend that there could been only beening for some recks, which should be size stateful from to symthem confidence. Much harm is done by Leoping them shile, and then you time all the state of the state of the state of the state of the rest time at the state of the state of the state of the state of the rest time at the state of t

W Lond Esq Inspering Vetermary Surgest Combay Army

Remounts very very much in condition, ago, constitution and so on, and a good draft would depend on the elements voil other carmonatures of the place they would have to goo at But houses lawing only to undergo extirction should be allowed from three to six months to recover (mway not being in "it states to be operated on a tocole, and Austria hans require from sax to twelve months to become thoroughly acclimated

P G Slaw Dog Skall Velen uary Surgeo Mantas Army The interval depends more or less on the condition the horses are landed in and the anomal of green facing presentable. I have been backed or locates in for works a time months on the other hand and under disadlustages, such as lead to age and short grave at her taken areas, agith not one menths. Individual cases accept up or realisating but the sec rouse.

J V G Alems Deq Volermary Surgeon Remount Depth Oceanor The time after funding that the horses are fit for issue to the service depends on encumstances —

Tirst, the condition in which they we received, secondly, the time

of year they are received, and thirdly, on the servon.

Our expensions of this day the house that fresh values landed in illcondition only improve about, and often do not just, up at all till they
can get a full traine of good see each feture. He means pourhead on
the beginning of the year, and issued after the assembly of the annual
committee in Dependency, at that the are our good condition and if for
work. I would therefore say that from sux to mus months is cufficent
to prepre them for the reals.

11 Do you recommend any change in the present grain ration for horses, in summer or in winter?

Leceterant General Sir S. Browne, R & Command g Labora Drus aren

I do not think one general rule is applicable to all Indice to all locates. The rune duck and them is partitly does not set all locates. Some bornes was as fastileas as learned burge. Combition requires to be similard, and the desemption and quantity of ruters stouch as at the discretion of the commanding officer and retenting suggest, and then recommendations adopted seconding to the wearon and condition of the houses.

Be godder Ge eral C @ Arkuth not, con Inspector General of Royal Art Bury for India None, provided the communding officer is authorized to draw green forage and bran instead of a portion of the grain during the hot serson, or at any time that the change may be desirable

L'enterunt Colonel II C Sauth Sapit Re erre Remount Deptt Schargupore This question must have reference to regimental systems only. In the remount department rates of fixed very according to time of year and condition of stock.

Colonel & Druty Agent for Remounts, Contour Gram rateous mast depend upon the nature of the forege. I been folks to \$20 s of coult e dudy is the ables once for each here as the depot Wi as good forege as not obtainable, more grain must be given, but for the cohorn't house the quantity and quality of the forege as of more expecuences than any amount of grain

requence than any amount of grain.
I do not recommend any change in the ration.

Mayor W A Roberts RA Ro mount Agent Colemta Invescers I consider too much for the hot weather, or even in wrater unless the horses are gotting hard work. I think this is a question for others commanding and vetermany surgeous to decide for their own horses

l' F Call na Esq. Print pal Venermany Surgeon Bengal Army A troop hore should receive on an average throughout the year five evers of gran daily. The summer ration in time of peace should conest of the every office of gran only but during the drill season, or during setting earner, they should receive as every

J H B Halton Eq. 6 meral Supelt, Here Breeking Operations to houses in the summer, and more in the winter, especially during the hard Indum drall tames, e g --

In summer, per horse, per day,seven lbs grain, one lb brun In the winter and during drill season,ten lbs grum, two lbs brum

On the line of a arch feld and actue serves,ten las grain,

two lbs bran, if procurable, and when the lutter is not procurable, and horses are

the use way is presented, and were one react to not preserved, and herees are undergoing but only, then twelve his of gram may be allowed.

In the summer the green gress ration may be advantageously mercessed, and if dry gress of bry be at the time a part of the green ration, it should be proportionately decreased in quantity

G Drans Esq Inspecting Vete rmary Surgeon 2nd Circle

The present allowance of gram as too much for horses out of work in summer Half as neach would do better, or less in many cases Extra bran should be given instead, with as much grass as the boises will est. Extra birm would not be always necessary if the grass were

mill eri. Extra hun would not be vieuse necessity ut the gians were good. As a rule, if ten parts of grain are required for horses in the drill section in winter, five parts a odd be ample for hown when they do no work, healy in number Fars, if the independent elements of food are not consumed by mass that excelsion, they are either not depend and anisored must be enculation or the key are quality exceeded by the highest of all changes of the first consumptions and derive. They cannot be stored up on us the system like the calculations of the heart. Gran had be heart, here to be force a reportation of the introgression elements. No dependent and adsorbed man the estimation, or one steps we give any extractive system as among so, we not for easies plicities and disease. They cause plicities and disease the general best stored up on as the system like the continuous or fat-forming elements. Group, if e beaut, jure too large a report the off the introguence adomate? More appeals are present the continuous of the continuous columnats. More appeals are present the continuous of the continuous columnats and the continuous c

In special cases, when earry grain is required for horses in the drill season, the present grain ration should not be increased, it is should be reduced, and an extra quantity of some less intergenous grain, such as many or outs added

I would recommend two seers of gram, two of maize or of cats, and one of conserv bran to be given as a standard ration instead of the four seers of gram and one of bran given now. The country been is more mostly than the Campore or machine bean Maizo should be preferred to cats, because the latter are very inferior in India. When extra grain is required, it should be the maizo

and not the gram. Gram of all lands should be created before it is given to the horses.

I would faither strongly recommend that the allowance of salt given with the feed be increased.

from two to at least six drams

W Lamb Esq Inspecting Veteringry Surgeon Bombay Arms

In this year horses we fed an whitever grain is found to be cheapest, and at the same time suitable at the striken they may be atas for instance, gram coulty buley or maize Often in the hot and idle months the gran ration is found to be excessive, but instead of laying down any bard and fast rule reducing it, I think it better to leave them to the discretion of commanding officers and veterinary surgeous

F G Shaw Fog Staff Voters unry Surgon Madres Army

The Madris army regulations already provide for a reduction of 2 like of grain during the bot on non-drill season. As a matter of fact all is not stopped in the army, and the months when the horses are placed on reduced grain ration is the time when grass fails, and they really require more grain to compensate for the less of grass. The grain need in Madres, 'Lelly," is at best a poor food, soft and innutiations

J V G Mans I q Velen nun Sungton Remount Depet

The present gram ration, which is, I believe, 10lbs for Australians and Sibs for country houses could certainly not be reduced in the drill serson, and only in the off serson with the greatest equipm, as the time of the non-drill serson as the hot weather when the grass contras a minimum of nutrition, and if any of the grain ration were reduced, the bases would fall away and be unfit for work when the drill serson

agran came on In some favored stations, where good forego is procurable, the gram ration might possibly with advantage be reduced 20th per hor e in the non-drill serion, and a proportion of brain substituted, manufage of consecutive for the six of the modelling around, and a proportion of the commanding officer and the extensive six of the five the extensive six of the commanding officer and the extensive six of the five five the five the present gruin ration can be reduced throughout the strike without endangement the welfare of the horses

12 Have you any suggestions to offer regulding the establishment of grassentters, and the present mode of supplying grass in contomments, on the march and on service?

Levenant General Fr S Browne Energy Commissing Later Day smitable than the present system I do not consider or am aware of any plan that would be more (1211) [Appendix IV

Brigni er General C G Arb Unnt C3 Inspector-Gen cral of Royal Artillery for Indea

In my openes, grass cutters should be abolished, and with them the present mode of supplying grass in customments, on the march and on scrusce

Greas should, in my opinion, he replied by the commission at under all circumstances.

With proper trangaments it could be done by this department as cheeply us by greas-cutters.
On other serving press cutties can esidence colled agrees and to add an in the catesimous and on
the line of march they must, françaisally traspass and on figures on greated property.
The press on and saided to the present state of the country.
The horse are nunessuarily even doubly the grave-cutten, their families and pource, and the latter are occusionally a source of infection

Leont Cel H. C Sm th Supfit, Reserve Remount Deptit Sakarun This also must refer to regiments

Colonel & Drong Agent for Bengante Consoor I have had little or no experience in feeding troop horses in curtonments, on the murch or on service, but I consider the system winch m in force at the depôt is the best suited and most economical for the locality

No grass-outlers are Lept, but constructors are employed to provide a certain proportion of green grass duly. The present rate is five annua per bundle of 160 lbs. which gives 40 lls. of green grass to such horse at a cost of one anna three pies per down. This is supplemented by hav grown in the depôt paddocks at an average cost of Rs 35 per ton, and by lacence grown in the depot farm and issued at a cost of 160 lbs per rupes

In addition to the amount of hay realized from about 200 acres of gress land, the horses have the advint go of being turned losse to grace in the paddecks on first airival and when the poddocks are not under cultivation for har

Major W A. Roberts E4 Ro mount Agent Calcusta I have not I regard grass cutters as a necessary eval, as they are under present erroumstraces indespensable on the murch and an earnes-

P F Celling Req., Principal Volentiary Sorghia Bengal Lawy In contourned grees should be purchased in the open market by regimental arrangements but by indent on the commissional depart

ment by reguments and butternes when first arriving in the country

On the march the same arringements should hold good. And on service in the wey found most

we make any strong struggers are severed in the very found most cathefactory that a rule by purchase as so obtainable it not by the next studied of appropriation. The system of perchang gener in the open market has of late when truck, been most encounted, the multy have been strong entered in consistence of the contract of the contract product and the system, almost encounted in the multy have been strongered and the restorm, almost encounted in the contract of the trucking of the trumwithout and that is subsided, and it will pervent the university achieve.

tions with gress outliers which are constantly coming to light

Should the above system for the supply of gress be adopted, it will at once dispel the once channel through which contagious diseases are conveyed to troop horses, namely, the grave entiters ponies.

And this in itself, when we take into consideration the annual loss to Government from the above causes, as of no small consideration

J H. B. Hallon Enq General mornitondent, House Breeding

The time appears to have arrived, especially in the more settled distincts, for gries enters to be discontinued, and grass, both dry and green, to be produced in the upon module by sentence in other motion deemed suitable according to encumstances

The commissional department should as a rule, sipply gran and forage in cantonments, and, when deemed expedient sonotion should be accorded for the commanding officers of cavalry corps and hatterns of artillery to make arrange-

ments for it a supply

The rul hs allotted at many statemes for the providing of grass are often too remote to allow of the grass-cutters going duly for the supply consequently they steal grass from the fields of remindars near the contonment, and are frequently brought into court for trespess and robbery

have no contonment, the set requestly obtaged the cours of templas who towery.

I am arouse it is believed that gree-surfaces are independent on find errors and in operations in an enemy's country, but I week, with defences, estimate that who mong gass may be precised where not in the countries, and in not obtain the late with money gass may be precised to make such cacamatance? Sugara, by begang gass at a law gass, as one on the grass-militar to make such cacamatance? Sugara, by begang gass at a law gass, as not considered to make produce of the make such cacamatance? Sugara, by begang gass at a law gass, as not considered to make produce of the make such cacamatance is sugarable to the sugarable of the sugara current duratus postyling are non immediately above. The property guards when not decling the grees that would be on pointed grounds, better past for, and the money required for purchasing the grees and easterlying the unhabitude would be easily kept uselve the usual tensory guards and would are much brussing of the reals and the providence of grass-sound to the reals. cutters when collecting forage

G Erans Esq Inspecting Veters mary Surgeon, and Circles

As all the good kind near contentments as formed out to rollagers, our grass cutters veldom get good grave unless they steel it, and the furners very rightly object to letting the grass be taken for Government

runns very regard oppea to issuing use great so that our of determinal beass when they pay run first that was it for their own cattle. Our which is deficient in nour-timest, and offer they caused give easily of their. But if the villages were encouraged by fur process and construct demand, they would stugge long as as much as a want of google great. They would brough much more than required in the great general general, they were first and the process and construct demand, they would stugge long the or they would brough much more than required in the great general general, who are the first great should be got and dared and stacked then for use in the sense muco. The villagent would bring it in for much less than the brizer rates. I have known that plan adopted most successfully in a battery when the establishment of gress entires could not being in half the required quantity, at the best scason, and the villegers brought in more than was writted every day for loss that half the bozar

The villagers would also bring good grees to camp on the march and on service as readily as they samply anything else for which they are fairly paid.

There ought to be good land reserved at every station to cultivate green oats, lucerne, &c , for the

sick horses and the remounts.

W Lamb E o Inspect of Veter many Surgeon Bombay Army

I have long been advocating doing away with grass cutters altogether At our large stations it is impossible for them to obtain good grass in

Af our long editions it is impossible for then to edition good give in edition edition and in the control of th spent on them would generally suffice to supply the bores in contonments with lacerie or other green spens on num wous governity stunce to unique you consists or two monates are in incident of other great greats, creets, and so on. On the much they use nearly asked, and on field service this year a serious encumbance and generally unders and if then or any greats to be found, the specs or getter is one can not arrive the next and the serious serious serious and a present mode of emplying after great and the serious se very lest procurable is ever given to the horses

F G Slav Fog Staff Veten mry Suggeon, Madrie Army

The establishment of grass cutters for this army is already re-

J V G Adams Dry Veterman Surgeon Remount Deput, Consour

I can suggest no thorough change in the system of grass entters cantonment the system of grass contractors might be substituted for the preent system of gruss cutters kept up as nestbalantes Tun would ensure the horses being supplied with a duo amount of the best grass promuble. This system would of course be improbable on the merch or on service and, unless the commissarrit department could supply forage, I can suggest no general alteration from the present system.

18 Should the grass cutters be single or double?

Lant. Gen! S r S Browne E c.B., Coming Labore Ds usen.

Grass cutters should be double

Additional versarks In conclusion, I would add, the Government are taking measures to improve the breed, but the expense and trouble now layished on house I reeding will in my opinion, be thrown any unless measures are taken to ensure good country bred remonute entering the rule, which, however, will not be unless

they are purchased young

they we parameter young a specific per large section of the first is palent your by year, that excellent and most promising young stock we established specifings and to a year olds. After this age they destorates an elastic manner careved by the Parkita constant of hebiling and their given up and feeting them on heritary and firsteam a food. They do have not only to a custom braided down to them, but becauses the first have not the means of allowing them theirly, and the care version to custration

Remount agents never will be able to purchase country breds of a mature age suitable for the service, in con equence of their being stanted, multivated and diseased from the mant of liberty essential to the development of bone action and soundness

Executive the developments on concentration and someoness. He only remarks, therefore, the propriets young stock, leep them in runs, with an inexpensive stablishment, from which, as four-year olds, they would be drifted for issue to the urmy. Since the olds we premed, or tracks under "Horse Breeding and Horse Pairs" has appeared in the Cail and Mild lary Go atte of the 23rd incluse. As it bears much on the points activated by me, I have no hesitation in affaching it

"HORSE-BRETDING AND HORSE TAIRS"

[From a Correspondent]

Your article on horse-bre ding and horse fairs induces me to make a few remarks, which, although on the construction between unity one once harm indeed not on the construction of the

villages where stock could run loose and find sufficient grazing. But allowing that land could be spared windyes where the chair the same for the forms highly appearing to the purpose, which that essure the formsh here), again, or the progress management and freeding of stock? Never for on returning at might at their owners buts the unfortunite numbs usual to the top to bubble in a small contrary must high, alongsole of bulkes, where they would have to remem tell morning. When a unted far sale they nould be lept in a dark place be nell elothed to remain an informing "giviny only will be fed on oil oil a meedlass will offer that believes from the tool of the control of th being operated on which sught now to be my meant energib. Prizes have been offered enloctines have been provided to perform the operation greits, and yet the result of all is utter foilure. The poor show of goldings, you may rest assured as attributable to prejudice and not to any want of encourage-ment. The comedy you suggest manually a tax on entires would not only do no good but positive harm, by forcing many to drop brushing altogether, and I hope Government will not dream of large-ing such a trx. Prizes are a missiste. It is a different matter in I agland and other countries where ing Nation CCC. Titles has a minutes of the minutes attack in a signature as a security assessed to the first based on the first based on the first based of the security of t and lucky marks, they are content and ne often greatly astourched that their screamers are not apand more provided by mainly large or convenies and we come greatly assume out on the presented prepared by committees. Hundeston, that will never give we to Langelist meet Autris frequenting turn and above to compete for prime may use the latter valiet the suits are provent, to place we make a time believe that their actives has less, followed, but the moment they we not of eight the brilles will be changed. But adjure all these minorations required? In former pure these were no prizes given. No inducements were held out to exstrate colts. Runs were not dreamt of . Native bits purse given. And inconcentrates whet had out to constitute exists. Journal Work first direction of Journal and were used, and you of them promotelled a file them proceeds and a file them proceeds and it is not had it for present year, in greater. The true and only remedy as for Government to produce young stock, as formedly one, which them at depths with man stacked. The last time yould be to select to the old sind system, which was a perfect force, but had as it was, it was refinedly supported to the present one which the Government media to believe when produced with which has a required once a vest amount of harm. Note that the proceeding short of processing system (seek with the seek processing when the processing in the processing system is to be forest the processing when the processing in the processing system is to be forest the processing when the processing system is the processing the processing system in the processing system is the processing system of the processing system is the processing system of the processing system is the processing system of the processing system is the processing system of the processing s establishing rearing depots as they have had a hitle experience of the way the money flux at remount dendts, but there is no reason why retring depots should be expensive. The first step to be tallen as to establishing rearming engines as they have not in a table exposersor or the very first analysis at a transmit-depths, that them is no master why revening depths slowled to exposers. The list offer to be fall en in to appoint an exposersor hand to make processors of steel. The presence has pen all should be regulated according to sign and markly. If this decrees a velopical, it will be found the more economical but Government must unset so the liberty system being carried out, and so allow that in avaning depth must becomeanily proceed agreement. They have a notion in the sensors department cannot by will fitted to organize such a depth, purchase young stock and rear them properly but he must have corfe blanche to do as he third a best, and not be tied done by non-surenced rules, framed probably by some consists we was a new manual action may not be a test owned in the she being it good additional in player. The whole separathyly should be thrown on one man—a master of his tracte and depend upon it, clear and good remounts would be furtherning. The officer I allede to still George Kattlewell and, through he me violes to be a removed men where opinion may be safely accepted on all matters con-throughly made that he is not only a shifted welcoming surgeon but a good pudge of stock and a throughly product house boucker—a men whose opinion may be safely accepted on all matters connected with horses

The report on the Barrel Penh hove how a I are, the word style of thought has been going or for years—a mural remoted approximent. The stime is the quelity that is no muded, and the other indice rather, such as a good falling of an nombers and a verticles show or goldings, or most withstanding regiment, but allow use to search this to suspenite moments on any present in the committees report. No rate for the quadrates of beselves of mules have been found and, so it is sumpossible to treat a rule a recommittee or port. No rate for the quadrate of the committees report. No rate for the quadrate of the proposal portion of the

the report with the following

"Seem people may laugh and eff me a feed.
Der chritique down their fast beering a male,
But twee mand that the matter may presless cur't breed a male suffered a park with
Time dam to relect's on old mounted mere,
Ready't found at the Barse Flank fort.
And when you've justed them men't founder.
I know you'fe justed from men't founder.
As the first when drapped will prove, I il be tound,
A mith made to code, prefettly round."

Brigad er General C. G. Arboth not, C. S. Juspector General of Royal Art Mery for Lodin L. cut, Col. H. C. Sin th. Simpli-Reserve Remount Dop6t Scharus

HOPE

This also must refer to regiments

Colonel A Deury, Agent for Remounts Oussour

No grass entires

Major W A Roberts BA, Remount Agent Calcutta,

 I consider single-grass entires preferable to double, except on the march

They should be meanly all double, sangle are it many stations, on necessat of the distance they have to go for grass, very useless P F Con Fq Frompall Veternary Surpern Benga Army

If grass e there are to be continued they should be do ble the nones could the be three for bagginge p sposes in ease of emerg nev but the shoold be kept starely under veter us; som tary a perv son Si of grise tiers are useless for ser ice as they come at generally of women or I of groun lads the use as a tale physically unfit for reg mental requirements

Ald I must re uska

In compliance with the but puricipal of some lette. No 193A, died 18th instant soleting suggest one upon matter a connected will the efficiency and economy of the city in and it makes by the officer of removant agent as on the efficiency of the officer locking. that uppo nument re is the fereight; of everying out some of the suggestions contained in the foregoing ans reas

A remoutage it should as a seg log lossess a art ral minutae taste of the knowledge of the value and the hose and he was bane had audite entrusted experence to have or the visions case a contract of the most and terms of its man in the man and the construction of the contract of the contrac one it earst no et remounts to tue ta mes o' me nes et tre se nes to licht he'r vie best studet could then be etre d'o' t' man hatch). Eter ju d' ne met wo lik etre tho f og est and heavy expense of once thing lithst g com mitters and regichal remo mis sold for being unsented to may branch of the service to the lith en be not no go of the past.

To use still further up the injecute of Government du ng the time of preduct a thore ally proctical vite party's recent sequenced as a miless of his expresented for just as no both wild and promotes the entry's regions a explorer was a more on the entered and of either the outer with a fact intered the delying all intempts it may be to a Am effective examination under the above count it then very new a poles count into a law land long proof call experience to decket many of the symptom ears as for each some other the community will be pured and totally sufficient for requirements

of the se co

JHB Halon I'y General pe ndo Moso Brodus S pe no: Operat cas

As strict in sety to 1? I believe grass of time a control rough of bet if any are in intined they also did to lot the recording as since the hip corder a people with a to of b g to lords of grass and these pones my become useful during field operations for began to 1 and 1.

One serious of jection of $\eta s \circ sts$ to lawing gress entities per cs in the new being od of days localing localines — the dimes of the closurang infected oil globes and face artillers a lea alra le se l'acs on a il no or ola recording ones disc ses and en sing the spead of any one of the disc ses amo gat the ton loses

A grasse there pony is addenn as good see all how indeed generally in a state more or less of debits. I from the server and bern, then by have me been attenting to it is constron amongst of it debitated and probably a season our less than the become affected with contagious maind or

G Frank, E q Inspect ng Velore mary Sargoon and C etc

See answer to question 10 No grass cutto a recommended The green on their money are the most common encores of gl. minn. &e to the Government horses

Alltanel Renarla

Profes g forces -W if find or reference to resome or remount houses I would a limit that Pride g feest — Will find a reference to tenne or remain liness 1 and 15 in time to age of the read old necessary as they are support and the loss on mosted the first search and the rest search and the first search and the first search and the first search and the first search and the first search and first sea

turn o til n does al stiery of a tillery

Profes and I ll stated asserting and to letter the transport of the letter to be the knowledge of a return and on an energy and on ansert the lorse unfit for it set a required of I mays all as a hart derress of once induces may exist, the the smallest risk of its ever to fer a thirt executions of the unital Horses required and for the unity for north and not the array was to sell. The effect of the order of them should be alsays more promient in the mid of the eternary angless they are them in them what ted a cilis constitutes in so nd e s

htppen sometimes that a ho eas of structly or legally out a but the veterinary a region belove that the un o namess all over tell a cost the usefulue s of the lorse and the an unal is m bedere distriction to make an all reserved in rate the unserfails with those and from much lists of extra polar representation of the reason o

common of jet die by practical men offet a eneral the deothal it had bee token unto come

(1215) [Appendix IV

denates to the purchasing office. The best men are upt to err in judgment, but those who are responsible to Government for passing losses into the resurce should not err in observation

W Lamb Esq Inspecting Vete menty Surgeon Boulusy Army

I would have neither

Additional Reports

Reduction of number of houses in regiments of British cavalry.

From the number of men on guard and other dismounted duties, men in hospital, and absentees I

believe it is never possible to put a man on the back of each of the 410 horses allowed to a British eventry regiment in Indra, nor even upon those of them that are not such, the number of which

does not, is a rule careed 29 Protocoly 30 on more horse remain unbanden. These—horse that we not worked—tabl very greatly to it is last of e concluse meeting with condents caused by their uncontrollable freedment and the condenting character of the character from want of the opportunity to work off the label dat they receive. On the result of the label they consider the control of the label they consider the remaining the condend by a least 10 per trop or 60 per regions, and the lastes would be jet character pressures as lower maters, at a deep, and being allowed theety also they would take sufficient express to a prevent that excessive emberance of spirits which everes excelert and cannot less.

The same as regards silladai cavalry.

The shore applies with seally equal force to Nature careful yearments only their in them advantages a generally takes of the superfaces unsular of inner callende to lavy got its to young for use By this means the proce of the horses appears to be logal law, but it is neally no expense way of providing remotions. For instance, a cell backplat at two years of eyes—it I know many ner—cannot be of any use tell in at three, more of much till be at for it. Nevertholdes, be dress Rs 20 per measure, and by the tenue has a fit to carry a man in a empragate, be all have cost fits or net hands of types, thus —

Original price, say % to 3 years, 12 months of uncremed keep at Rs 20 8 to 4 years, 12 months of half carried keep at Rs 19	**	200 240 120
		500

What grand five year old remounts Native carely might buy at that parce?

The regiment while to key and keys in the rails such very yours only not construct a Learn that a certain number of keys as the regiment must have seems uncounted. And then it is Government that pays? Let the world'd exploition be word using of the variety for the the regiment, and both it and Government will beauth. The descept of a sullive crops were first at 500 mm and 400 keys it. Note to the world be fully as officers as it is now possible to have your allowed in the rail rails of the first world be fully as officers as it is now possible to have your allowed in the rail rails for the world be fully as officers as it is now possible to have you per name, or the difference between the pay (fix 50 cash) of 100 million and 100 brights (100 x80 x1 km in \$0.000) and it (overments give a quarter of the extrage the heave proposed from the first final world be better of thus at precess, for the 2 being the usual mostlely contribution of each allight or the Chumia front it would be.

sense of the country terms to adding the	Rs
100 x 2 x 12= recoving instead	2,400 6,000
and an annua	9.000

per annum, which, with four horses to buy and fower casualizes and fewer bad bargains, as only mature-horses would be bought, would enable them to gave handsome proces

Purchase of remounts for the Royal artiflery and British cavalry

I cannot less this opportunity of positing out open, as I have often done before the very object tombbe method or luminated, no method way as have of larging remonstity, it, ye committee or supportunities of the state of the s

(1216)

P G Shaw P q Staff Volen-ner Surgeon Madras 1mm?

Ten or no double grass cutters exist in fl is army, the introduction of double gars cuties (which I presume means a man with a pony) would be a move in the right direction

ADDENDA

Memorandum on motters regarding the Remont Department by Staff Teterinary Surgeon F G Shaw, Madias Army,—dated 25th Argust 1979

With reference to paragraph 4 of your letter maxing suggestions for economy, I beg to offer the following. Having served in the remount department for securities and a half years part of which time I officiated as remount agent I feel I am competent to offer in opinion on matters regarding it The office of this hment of the semount depot is unnecessarily large, and could be officiently conducted by the manager and at most two

Office establishment. writers

The establishment of peons might be reduced from six to two Then duties are purely personal—

to rittend on the agent and the office its office is Establishment of peons Inabhahment of peems situated only fifty yaids from the agent's quarters.

The establishment of concepobes is no longer required since the introduction of the contract

system They are a relie of the commissment depart-Con conel or ment to which the depôt was at one time attached

The extension of the depot area to grow give and by instead of purchasing grees (as now exists) would vere a lot of money. The existing was establishment with occusional extra labor, and extensional was establishment with occusional extra labor,

when required, is quite captible of working double the area as guess meadons, which when once planted each fulls moves to care for and keep up. Three outlings are get yeally, and the average yeald per area is about 13 tons at a memory or feeding value of firm Rs 60 to Rs 70 per core. There are three acts of hore of many standed laid; a mile agout To each james a Janopean conductor and Native staff of chowdries and duffadms, &c Supervision could be better conducted if the

Abelition of one set of lines and reduction of establishment

horses were more concentrated The duties of remount agent me not heavy Doring the seventeen and a half years I am

On softer of finest to coadest the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed and voterneys speed on the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed conducted the dates of speed conducted to the speed conducted to the speed conducted to the dopt conduct of conduct the speed conducted to the dopt conduct conduct the speed conducted to the speed c

nunt duties The expense of I coping up the field battery at Thajetman is too well known to the president

Withinsal of the heres of the field buffer, at Playet duell upon II it is necessary for shirtegred purps Branch Barra power for the real of the field upon II it is necessary for shirtegred purposes for long a field buffer, then I would suggest the trail of runles. To death me result of horses at Mayotanyo is about 50, which, at Ris 800 cach mye British Burra landed there, represents Rs 40 000 loss every yeur

lent time will not admit of working it out. My idea An empresser for lain at the other lay from an analysis of the control of the con An army reserve for Indea

With reference to the Artine infinitry hameh of the army, I have a scheme for a reserve force,

I V G Adams, F q Veter may Surgeon, Pemount Depot, Occasion

If I understand the question anglet, if it is necessary to have a gres-cutter for each horse or one for every two horses, I would say that there should be a grass cutter for each horse or within a small per-centage, as I am confident no grass cutter could be made to bring in grass sufficient for two Australian hor es

H.

PEPARTMENTAL PROCEDURE

Give a list showing the subjects dealt with in your department,

Clad II Willes Comme The f llowing is an outline of the subjects dealt with in this depirtan General Bengal ment -

C tile -That the complement of or h I n d and for each purpose is lept within or up to scale, parelases of elephants bulled s, nodes, Sc. to replace deficiencies are with rived, and are negatively made for the provision of all necessary supplies in food (1217) [Appendix IV

equipments for all Government entile All suggestions relating to the feed and care of cattle are considered and disposed of either on his own judgment or, where expense is involved, in consultation with the Controller of Military Accounts or Government

Aheddus -The proposals of the supernutendent of theddus Daeen and Assam as to the localities in which each season's field operations should be carried on are considered and submitted for the approval of Government. At the close of each season a report is submitted to Government on the result of the operations All suggestions relating to the working of the thouldns are considered and dealt with

Busar farm - The working of the furm is supervised and commented on in his annual adminis-

tration report

Mo safe column stellar met.—All orders of Government, mercanage or decreasing the strength of columns are given effects to depretimentally, by the cettle we destide dimenst authorized for 1 cla being proportionately usused or reduced. The purper employees of the establishment during the seminer and the a rading remore both trongs a zero is thus that this are, we fire a possible, complete and up to reals. All suggestions for the lather entitle, for an executive and color is in the seminer.

Co tracts -All tenders received for the provision of supplies of all kinds required by the department thether as rations bedding barrack mreathneous a ticles for effective men diet uticles, cloth ing bedding, necessaries, table requisites &c , for sick, ritions for cattle of all kinds, are eximined, considered and desired on These tendents are matted and recented by distributed executive commis-sential distributed for These tendents are matted and recented by distributed executive commis-sential distormatisetical periods and, offer being labelled an form prescribed substituted by them to the deputy commissing general and by the latter thanges the assument of commission executive tecomits, to the commission general conditions of the latter thanges the summer on the rates officed. With the second conditions are the second conditions are sufficient to the commission of the second conditions are sufficient to the commission of the second conditions are sufficient to the conditions of the second conditions are sufficient to the second conditions are suff to the communicary general circuit circuit discussed in the form 18 symmet on use rates outcome varies that marries and extends of the supplies required, these tenders may vary numerous loot this more unportant contracts us, runs, county multiparary that sub-expect the processes orders of Government are obstanced being standards are northered, and these tenders are eithers annihilled to Government of the failure of excepted tenders to married, and these tenders are eithers annihild to Government. On the failure of excepted tenders or contracts to be easily not that rathers or contracts the mardon multiple contracts to except the supply of unities at suit in effects of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the communication of the contracts the contract of the communication of the contract of the communication of the contracts the contract of the communication of the communication of the communication of the communication of the communication of the contracts the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of the communication of the contract of contracts have to be checked and the misunderstandings or differences between contractors and the department lives to be settled in cases where leg I points are involved in consultation with the solution to Gu or mann. After funders has been accepted and decise second lists of controls, showing the rite of each intide for about a tested has been accepted the pe led of the controls, \$e_c\$ have to be funded for the controls, \$e_c\$ have to be funded in the control of the controls, \$e_c\$ have to be funded in the control of the controls of the accepted the controls of the accepted the controls of the accepted the controls of the accepted t

has to be rimumbed to the recent department for its gut have a die audit of the recental.

Personang of Propers trayen—In this dat, is makeded the supply of bread and ment by
departmental agency. the quitty of both of which is makeded and the cost at which this year
personal continual to the provide sentiment and knowly personal and the cost at which this year
person idea sentiment. All found by special are recent of from each executive officer showing the number of return of each art do is stood during the modify of repulsion the equalitation of the dipartment of the propers of the proper of the expense in the simply of bread and mert morthly referenceds are received from the departy commis-sure general isotrong the cost of the local nutricle has been provided at each station and noting the cruse of may fluctuation as each between cerrest and pret mosts. As connected with the food-supply of the frozen de symparance of epidemer or their sealness uneage cuttle and skep in stock is national, and each or less issued as may appean necessary. Points which may be rured regimentally of departmentally concentral with the supply of promoses we considered and danges of cellular periodically or whom necessary by reference to Generalment on His Evellency the Commender in Clark Reports are motor to Government when needed for on points effecting the supply. Compliants in com-manding official religious — Where this delp has been entirested to this department, rurring-consid-are made through contracts or departmental agency for effecting the supply. Compliants in com-manding official religious produces of the comply are capatred units, the explanation conneived, and the cases dimensed of some areas of each of the comply are capatred units, the explanation conneived, and the cases dimensed of some areas of each of the cases.

inflations on the returning where the proper and realized in the departmental agency applications. Buildings—in view to the proper an apply of bread and meet by departmental agency applications are used for the propersion by the departments public words to the proteoms by the departments public words to the extent of the first in 1 for year to you think of the contract of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of such other hands of the provision of the provisio il gs, 10 golorus, pinveyors abusiness on sugares more abusiness on sugares for narra t ind one commissionel officers, and my be required. A statement showing ill haldings required, maringed in the o det of urgency, is familiated yearly to the inspection general of military works. Separate applications are made for buildings not included in this statement but which are found to be urgently required. Requisitions by the depulment on the deputment public works for such minor buillings or illicrations in existing buildings required by them the cost of which can be met from out the sums placed for this jurpose

stations, required in course one management and management and other the commerce government at the disposit of the commerces government of management and other the commerce government of the commerce and the c

on Lingbard or by purchase of parts repairing renewal also fair the provision of stor «Jo; them "Arille" and "Higgs without on the ordanise depritment for tents to be used in bol error for the protection of stores with European through smitching or for the recommodation of Laurepean subord rates with the troops are evanamed, so atersigned, and forwarded to the auspretor general of

ordinance and magazines for emetion to compliance

Acousts - A ludget estimate commissing 38 detailed statements in forms but down by the recount department, showing the probable mometary requirements of the department for each kind of service, whether prises of four of commissioned warrent, and non-commissioned office. seed by nearly subordurate establishments) or softed empile of protes one to more cattle or connected with such apply during the evening per 18 somethed to the controller of multivary recommis by the multile of Nosember in each year. In the middle of February of each year assignments to executive commissional officers are obtained from the recount department on the several treasures on which ther will need to draw decourse for their exposes. On the vargament to an executive for my month falling short of the operations, any photonium rule for a varial possession. Section of credit for the month. All one cases to exceeding of expositions from a which accounts are readed, southers by which clearly should be supported for the proper and pureful submission of exceeding the construction of Concentrate and an always on exposition are reconsidered and settled in communication with the contribute of military accounter and Government.

Some—the relection in the galaxies of the department of the several sittons compact by Duropen trayes of enforced schools of viciniting and he pital sleaves such as growns for men in health, of Lercance of desafied and summed clurrent for sea in birracks, and of desting articles, clearing ladding, and confidence of the sea from a confidence of the sea from a confidence of the sea from a confidence of the sea from a confidence of the sea from a few sea from the confidence of the sea from a few seasons are the first part of the seasons of the sea from the seasons of the sea from the seasons of the seasons from England, indents, in prescribed from and it is encoded described or advisable to obtain from England, indents, in prescribed from and with its reductively, have to be advantated on certain fixed better from the seasons and the sea from such dark in selectively, have to be advantated on certain fixed better from the seasons of the control from London are made higher, blind etc) and, etc. doth and sheeting for the sea the seasons of the s

Lores of some — Lores by thinge, westing, nondening thell, and frond, and condomination of rum and mult lupner and all stores of almos soods are left, habeline occurring in golden or in a conversance from an extinute to sundhelp, have to be escaturated. Stelements of all such loses are submitted either perioducith or as they occur for sentionen to deputy commissing general or communisting general, and full yearly statements of all such expectations besser are submitted to Gormanical and in them the losest shring the built year are centrated with those an the consequenting period of

and a tituen is bessed along the layer are consisted with those in the consequenting pared of the previous hillyen, and epithetical part of any versions.

All cell planets—Hie represents of the medical department for the sup | to hespitals of all sentented virtues have to be provided for, and explanations celled for raid considered, on any reports by medical officers of defiction of an explanations of the formation of the medical and commissately department. Mitties affecting the relations of the medical and commissately department for the sup | to be settled in consultation with the suppress general Buttles and before services.

noted with the surgeons general increase and learns services.

Burned digital test—So also provisions made for the supply of the several mindes authorized in use in birn calls, and points affecting such supply are extited with the quarton master general.

Pres rel cf. the signature f = 11 remeases in the establedment of commissioned officers are picture to recommended officers and may very to their being filled up. Presention schedules in on admitted to Goromaneth for filling vermouses in the overrunt establedment, and pillurelines are made to the adjurting good of for more of ill vermouses in the non-commissioned officers establishment. The framing of officers appeared on producen is seen to, and the disposition of all these classes to strict most referred to the to be considered and produced in the time to be comparted applied of the commissioned o

Office certifications — The northing of office evoluble times to supervised and steps (a) on for reorganizing scale activities the same forms to require monetee on to be smortphile of technicing, or active best templated or improved by investors from only resistance when such is found means my from any passance are consolved, and either numerous or templated for a technicing.

Subordinate relablishment —The strongth of the extensive subordinate establishment of agents and other municipal for the various duties which devolve on the department is regulated, and all matters affecting them are estitled

ancing them are estimated.

In allowed to A part ranety of misselfaneous work to preparation of periodical returns and correspondence, is also done besides the routing work of the office such as record i eq. 12, 8.0

Bent oftend — the is conducted entirely by the commissing general or the officer ittached to his other is its resistint, and the correspondence embraces for the most part communications on ill the subjects above noted.

Major Coordi \(\lambda \) or Compbell Of \(\text{if } \text{if } \) is a \(\text{if pool } \) if crid of Onlar tead \(\text{if } \text{if } \) if \(\text{if } \text{if } \) if \(\text{if } \) if \(\text{if } \) if \(\text{if } \) if \(\

	8	SI BAT CT ATTADINGS			
Crass headings	Major	Миног	Sub miner		
Account Accolons Agencies and factores Anomalis Ar unds and denots	Arsend unddepô Explosions I ort Fost William	Ledgers Laboratories Gualior Anni er-yard	Agın depût Shot and shell		
Building,	Departmental Valities	Ansanil Q arters D pot Re-unanial magn	Warrant officer		
Unite	Vilities	Re-uncutal m	1gr		

Class headings	Subject headings				
CLASS BEADINGS	Major	VI no	S b minor		
Equ pments	Artillery	O danne	Gun carriages		
D tto Ditto	Do Do	Per onal House	Small arms Ha ne s and sad		
D tto	Cavalry British D tto	Personal Horse	dlery Accoutrements Saddlery		
D tto	Cavalry Nat ve	Do	Do		
D tto	Infantry British Infantry Native	Personal	Small arms		
ID tto	Infantry Natave	Do	Do		
D tto	Engineers	Do	Tools		
D tto D tto	Departmental General	B ₀	Accountrements		
Ditto	Police	Camp equ page	Small arms		
Ditto	Volunteer corps	Personal Do	Arms		
10 tto	Brit sh troops	General	LT III P		
D tto	Native troops	Do			
Establishments	Luropean	Comm as oned officers	Appo niments Promotions Transfers Lieuve Pay Pens ons Uniform Deaths		
		Warrant officers			
D tto	European	atoned officers Armourers Eng neers and	Appointments		
D tta	Nat a	Ert 2	Do		
D tto	Gen tal	Europe n and Nat ve	Tamily pensions		
D tto	Office	Ordnunce Agencies and factor es Ar enals Depots	Appointments		
	Establishments	Ordnance depart-			
Retamptes	Stores	ment Do	No I		
Decompace.	Budget	Do	100		
Exper ments	Peservaton of	Departments	Puze and ponder		
Expenditure	sto es Monthly	Ordnance depart-	Port W lk m		
Tield operations	Captures	Arms	Localia and Af		
Porms and stationery Purmiture	B mack Office (Arsenals	Certics and planks Ordnance	<u>.</u>		
Indents	Agences and factories Deportments				
D tto	Europe stores				
Inspections	Depa tmental	Per od cal Special	Fort Will am		
Losses	Coal ad cole Dem trage Thefts	,,,			
Machinery	Agene es and factor es At enal and depôts				
	Grene al	The engines.			

		Subject headings				
Clas headings		Major	Mmor	Sub mmer		
Anders	•	Agencies and I'ac	Cawnpore	Washers, leuther, for plug shell		
Miseellaneous			_	Armstrong gun		
Native States		l	Issues			
Official correspondence .	•	Postage Monthly Powder Proof	Mork Work			
Reports		Examination	Gunpowder			
McDarra	•	Special	Conversion			
		Annual Stock	Pretion tubes			
		B1 monthly	Europe stores			
		Half Jearly	Warrent and non commissioned officers			
		Do .	Powder	,		
		Monthly	Balance	1		
		Quarterly Do	Cump equipage Humess and sad			
			diery			
Returns	•	Half yearly	Ordnance and cu-			
		Monthly Half yearly	Ordnance and			
		Monthly Stores for trus fer	Powder	Pulta		
		Annual .	Cast-aron			
		(1	Ordnance	Pulta		
		L Do	Guaponder	(Native establishments		
			Descriptivo	Non sommi		
		1	In the tart			
		Annual	non commis-	tory		
Rolls		K	Crausity	Native establis		
		Monthly	Muster	ments		
		Anund	Non commissioned	1		
Sales		Auction (Lurope supply	officers Barrick dept	Condemned store		
Charge		Country supply	Coal and coke	(
Store*		Departmental manufacture.	Gunponder			
Transports		Innd	Raduay			
		₹ Water	Punyab flotalla	1		

The subjects dealt with by the ordinance department comprise all matters both as regards peris assisted self-than by the ominance approximant comprise "Ul fittless soon as regards jor-soned was related voltating to, and connected with, the provision, expression time, entitled, and remental of ordinance starce of all descriptions required for maniments of forth, seegetains, and engineer part is, who of the equipment of the regarder wars, in all the bandes, of voltative corps, and the inviting and card departments (and during poles) in the Bengri previous. A let of the sulpects dealt with world mellich, unumge other tenes, the value of the confirmation could not fatter

Medical

cor Central J H ker lasse her sha Me heal D partment and Pri e pul Med cal Office, Brit sh kere s n links

Administration Dreephne Finance and economy

Hittinee and commun.

Ho pital supplies equipment, and establishments

Medical officers—Appointments, postings, leave, transfer, relief, &c

Subordinate medical department—Ditto

ditto

Purceyors' department Invaliding—Officers and men Insuc.—Duto

Tield service arrangements Returns and reports

Bas eters

General saustation and hygiene -Stations and come Controments and on the march. Tield ≪avise Ibili depôts and com ricscents Infectious diseases Cholera and enteric fever

Small pox and vaccanation Venereal desease and lock hospitals Inspections Refums and reports

Annual, monthly, weekly, and daily returns and reports of the British army in Bengal command to the authorities in India and England Supply, users, printing of blank forms, books, &c , to the sumy

Statistical

No 635B , dried Cump Labore, 22nd Japuny 1879 From-The Surgeon General, Her Majesty's British Porces in India,

To-The Secretary to the Government of India, Miktary Department In compliance with your letter, "Istalishments—Departmental," No 7508 of the 22nd October last, requesting to be furnished with information as to the character of the work done by the surgeon. general as head of the British metheal department, I have the honer to submit the following general

statement

(i) It is the duty of the surgeon general to advise the Government of Lobs, the Communior-in-Choid, and the various eigenstaints encourated as all motives of a medical, souriary and hypomo-notion effecting the Buthsh incops, then quarters approximating in times of posts and war, and to propose such measures as may seem desirable, as well as to furnish the quantities provided remaind returns and reports on the built of the temporaries of quality, monthly, and westly—and such special medical and statistical returns and reports or concessioned my water measurements of the concessioned my water measurement of the control

names currently success or the armine movies operations.

(2) This suppose quents is also required its keep has unmediate departmental superor the director general, rainy medical departments it the War Olice, daily suffermed on all importants occurrences bounged in an important occurrence bounged or has naphopes shower effected its, was offer a on methods of moved or connected with the officers of the department under his supervisors and submits method, naminary, and statistical returns

and reports, personal and aspects, in executation with regulations of summary, the entire of an artifact natural and reports, personal aspects, in executation with regulations of summary, and instituted different first substantiate, with a time to the dien cours, good of existing coders and regulations, and controls all varangements for the distribution and allestment of matter officers and substantiation and allestment of matter officers and substantiation and allestment of matter of the distribution and all the distribution attached to the Extish army to the various duties, regimental, station, &c , uppertining to the department

(4) Finally, with the view of svissly mg bemselt as to the vantary condition and requirements of the troops that these are duly attended to, and that the desires develong on effects of the department are conducted in a proper around, as less to expansely insuced as to the posterior conducted and quick floridous of his departmental subsciencies the sungeon general annually undertal on a tour of mapestion, the results of which are reported in due course to the Commandes in Chief and the director general, army medical department. Special inspections, of particular corps and stations are also made when particular oucumstances render such necessary

Surgron General J F Bestson Indus Medical Serv to Bourst

The administration of the Bengal modern service, the supply municipance, and control of all the establishments, both supprior and subord note the equipment of hospitals all examply of medicines the supervision of medical depôts recommendations touching medical

appointments expectly there of the army, and all rejuring speed qualifications the responsible control of medical schools, where there exists a class of multirary hospital qu'ul cations the responsite controi di menta associa, unere tuere ensita a rive di mintary inspiriti munici the review of all quidrying examinations in all grades, from commessionel surgeous to sur geon moyor down to inspiral associatis' knowle geo il Daglish, special control over the army medical administrative service, Indian in meh. the adjustment of subordinate hespital, estal halments under the several provincial enal governments by transfer of men for the military branch the economic distribution of surgical matriments and drugs, the responsible advises of the Indian service as regards its medical fitness and uscfulness on a comprogen, and un advaser to the Emperial Government on each and every subject appearinging to the medical profession which ments a more than local interest and expenditure

De J. M. Cannellau, Santary Summonener with the Government

All matters connected with the health of troops both Turopeun and Native, presoners and the general population. In addition, many medical questions of a civil nature are referred for opinion by the Government of India in the Home, Resence and Agraeultural Department

Colonel T B Harrison Controller of Hel tary Accounts Bengal

(a) The control of army and marine expenditure
(b) The preparation of the annual maintary budgets and each require

ment estimates for Bengrd, and the marine estimates (e) The annual stytements

(d) All matters relating to military and marine accounts (e) Reports on the revision of army and marine establishments

(f) Reports on questions I curing on furnice in connection with the commissionate, remount, doth ing ordnance, medical, and marme departments

Reports on and disposal of all charms to mulitary and marine pen ion

(i) Reports on a se tions relating to pas, and interpretation of the pay rules, &c
(i) Disposal of all a estions referred by the several sudit and pay offices

(1) Despoy to an operations returned to your executive management of minus
(1) Carrying out all orders relating to pay and right
(3) Audit of 173, pension, pizze, and savings brail, necessity
(1) Audit of all commisserrat expenditure, including transport, and of remount charges

(ii) Audit of medical accounts

(n) Audit of ordering accounts
(n) Audit of ordering accounts
(n) Audit of fund accounts
(n) Payment of pay and pensions

All the subjects dealt with in the Military Department, which are as

Vajor O R. Newmarch Accountfollows -Appointments Distinbunces Intelligence Retarros Indents Reunids Defences Army Last Judicial Regimentalinstitutions Discipline Account department Recruiting Distribution of army Lene Account« Marme Reports Drill and instruction Ardnances Discharg s Military department Rewards, Native army Agnicaltural Estimates Medical Service Armaments Staff cor Educational Whitary buildings Arms Maps Savangs bank Engineers Artillery Medals Appointments (Native Leclesurstical Special Sinitary Equipment Miscellaneous umy) Native languages Staff college. Asylums. Tstablishments Labilitions Organization Ordanice Schools Burnel department Survey deputment Books Luquines Estates (Antare umy) Promotions Survey prities Craulties Furlough Pay and allowances Salutes Commande Pry code for India Tield operations. Stores Cumus Tunds Prize Transport Cantonments Guards Prisoners Unattached list Complyints Veternary department Commissanit Honorary distinctions Pensions Volunteen corps Horses Quarters Clothing Correspondence Returements Warrant officers Inspections Horking parties Women and children

Also all correspondence with the controllers of the three presidences and the compitality general on the embret of recounts, and the preparation of the ministary and manne budget, and cash recommend-eriuntic—legang the pry code corrected to date ready for revised edition. Also the consolidated accounts current with London and connected correspondence

Colonel B Walton Super ntendent and Agent Arms Clothing Be gal

The manufacture of clothing for the army in the presidency of Bengal in all its bianches, under which the following may be noted --1 -Indents for clothing stores on Figland

II -Indents for necessaries on Dugland

III -The conversion of the clothing stores into made garments, or IN -The issue of malerials to corps 1—The issue of ierdy made items (as received from England) to corps, such as spars, gloves, boots, styles, woollon seel s, and jerseys for gymnasts, &c., &c.

VI -The 185 to of necessaries

1 II -Il e asue of ready made chilling and materials on payment

1111 -The issue of hospital clothing to the commissarial

IX —The purchase of slores locally, such as packing materials and other miscellaneous items. The former are purchased charges than imported attacks the latter only when imported articles.

fall short or for special local assue-\ _ Che land up and despatching of military stores, the property of regiments—late the duty of

the military storel eeper

Colo 11 h Comper Breefer of true Penou t Operations

Purchase of remounts in Calcuta and the districts, transfer of remounds to the depôts care of remounts whilst at the depôts, transfer of remounts to regiments and butteries

J II I Miller Fig C neral car to do tof Morse Mircel ng

The following are the subjects dealt with in this department — (a) The my ectning and br ndmg of approved mares with the same tion of their owners, for breeding purposes in the North Western Pro-

vine s and Punjab, also the inspection of stock in Rapputana
(b) The allotting of branded mares to be served by the classes of

" allians hest a uted for them (c) The supply of Government stallhous sufficient in number to meet the requirements of the

free line districts

(d) The wording of s'alloone considered unit from old age or other curees, and obtaining offer

(d) The wording of s'alloone considered unit from old age or other curees, and obtaining offer

(d) The wording of s'alloone considered unit from old age or other curees, and obtaining offer of the considered unit from old age. to importation from Lagland or punchase in India, of the number and classes required to make up the e tetra red emplement to 300

(c) Br nd ng with the letter D pany marce, or mance considered unfit for horse breeding, for the trod ag of mule

(1223) Appendix IV.

(f) Purchasing of donkey stallions from Arabia, Bokham Punjab, &e, in sufficient numbers to serve mares for mule-breeding, also the providing of some donkey sizes for the Madris presidency (g) Receiving of monthly accounts of stallings in districts from each efficer or other person in

charge of Government stallions

(2) Submitting mouthly accounts to the compitedler general, treasury accounts branch, Calcutta, in abstract and detailed forms (2) Attending the several metropolism horse-faux and district horse shows in the North-Western Provinces, Panjab, and Rapputana to judge of the quality of stock produced by Government stallions as

(j) Instructing Natives at the veterinary schools of Hapur, as solutines and ensistators, and supplying the several breeding districts with this class of qualified men, in order to afford the opportunity to owners of colts to get their stock castrated and treated grates

(1) Reporting on stud decuments received by the Government of India from the Bombay pro-

endency (b) Reporting on subjects in connection with the prevalence and prevention of glanders, farcy,

anthrax cattle diseases, &c &c , and advising similary measures connected therew th (m) Inspection of bulls and rams of the Husser earlie form distributed in districts for improving the breed of cattle

(a) Inspection of horses of the Punjab Frontier Force with regard to fitness, condition, similary arrangements &c

The following ure the subjects dealt with in this deputment -Major General S r P S Lame den Zon osı Adjutant-Gen DEPUTY ADJUTANT GENERAL end in Ind a No I Branch - Dutribution last of work, 1st January 1878

Army Last (Correcting al cuts received from Military Department) Adjutivet-General's Department
(Officers)—Includes divisional appointments
(Establishment)—Every question connected with the office

Arrayal reports

(Officers only) Camp of exercise

Contonment and contonment magestrates (diatters referred by quarter master general or other authority, acting appointments of can tonment magnitrates, and general questions)

Claims (riginate officers)
(Includes claims for faxes forwarded through the home authorities such as involve questions of disordine will be recorded under "Clams-Deceptine "

Claims by warrant officers and soldiers will be recorded under the direct heading, and be treated by proper branch)

Colonel's allowance (Questions of promotion are sometimes involved in this heading)

Commende Brigade District

Divisional Forts

Station (Regimental, to be recorded under " Regimental Appointments.')

Commissions (European and Native)

Confident a reports, Officers

(Annual, from reguments of Native curvity and infantry Annual on all staff officers of the Indian army from divisions distincts, and departments) Courts Civil

(General questions) Courts of requests

(General questions Chains gainst officers to be recorded as per heading "Claims") Discipline, officers (European)

Courts of inquity Courts martial

(Introduction of yearly articles of war, and assee of warrants for holding courts martial) Field operations

(All questions) **Torts**

Prontice ands and expeditions Honorary distinctions

(Including Orders of the Bath and Star of India, applications from regiments to adopt mettees, &c)

Judge A lyocate General's department As pointments Examinations for the department Organization

Leave and furlough (Officers only)

Legal (General questions)

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Appendix IV ] ( 1224 )
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Britz I and Income or heense fax.

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Officers (European)
     Doing duty
     Luoutnes
     Peusion (Includes family pension)
     Promotion
     Residence
     Service
     Unemployed
     (Memorials and appeals to go under subject headings)
Order of British India
(Including death reports of members of the Order)
Order of Ment
Rank and precedence
     (Officers only )
Records of officers
     (Including preparation of statements of service of all Indian army officers)
Regimental appointments

(Includes the command of Native corps, and all appointments in both European and Native
         regiments }
 Retirement and retirement bonus.
     (European officers)
Staff corps
     All questions, including exchange of officers from staff corps to British regiments and
          tice versa
Staff officers
      Aides de-camp (including "Examinations")
      Assistant adjutant-generals
      Brigade majors
      Garrison instruction
      Muscellaneous (This provides for wants of civil departments )
      Station staff
                   Special work in No I Branch not shown by distribution list
 Half-yearly returns of unemployed officers of the Bengal staff corps and local service in
 India
 Half-yearly distribution returns of all officers of staff corps and local service
 (The above four returns are compiled for Government and Secretary of State, copies are also
sent to the military secretaries to the Viceroy and Communder in Chief.)
 Annual confidential reports on staff officers of the Indian army Compiled for Government and Secretary of State
 Nominal Indexes to G O C C, Gazette of India, and the Local Government Gazettes,
 regularly officers only.

Officers tools—In this are entered notes of cases of "Discipline" affecting an officer's conduct
Scientists of applications for staff appointments, general, dursional, bugado, and regimental
 Schedulo of strif corps probationers
Arrayal and doj arturo report book, entires 111—when reports are made by letters
 Register of all retirement applications
                                 1st Assistant Adjutant General
                  No II Branch -Distribution lest of word, 1st January 1878.
 Abl amo
       (Sale of liquor in emiconments)
 Bande and me es
 (Anine regiments)
Cholers—(Q M G)
 Clothing, Native
       (The clothing and necessaries of Native soldiers)
 Compensation

Desires of provisions (Claims for compensation on any other account [except losses] are
      Locces (All matters relating to compensation for losses to be treated under this head.)
 Correspondence
      (Vinde of conducting official correspondence)
  Dreen line, A tive-(Officers and soldiers)
       Centls of meanty
       Courte mustral
       Courts martial returns
       Deserters
       Discharge and dismissal
  Ecclesistical
       (Reque to for a uphones of all persurences, establishments, pay, &c)
       Reference about burn's and cometenes-(Qr Mr Genl)
  Гипписс
      Advances.
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Pay and allownness of officers
     Prize money
     Remittances
     Betrevelaments
      Provelling expenses
     Working pay
Wound pensions and gratinties
Forage and fodder
Horses-(British cavalry)
Hospitals
Huiting—(Q M G)
Insones, Natave
Inspections Native*
     (Annual confidential reports on Native exvalry and misatry)
Invalid and invaliding, Native
Lane gear
Medals
     Humane Somety
     Victoria Cross
     (Good conduct medals are to be dealt with under "good conduct rewards")
Medical Department-Officers
     (Including appointment and posting, &c Confidential reports on British officers)
Medical Department—Subordinate
Discipline, leave, pay, records, &c.
Native army
     Angmentation
     Direct commissions
     Diebradment
     Furlough
     Native adjutants
     Organization
     Promotion
     Recruiting-(General Individual Recruiting parties)
     Reduction
     Rewards
     Standing orders
     Resignation of Native officers
Native lang lages
Orderlus
Pensions Native
     (This includes family pensions)
Petations, Native
     (If the petition is en any subject for which there is a direct heading, it is to be recorded
          accordingly, and be treated by the branch concerned)
Postal Department
(Franking pestage &c.)
Records
     (Of Native soldiers, Native regiments, and staff offices generally )
Re enrolment
     (Nativo soldiers )
Saddlery and hames
Salutes.
Santary-(Q M G)
Special
     (Papers on matters of a miscellaneous nature, for which there is no direct heading )
Syces and grass-cutters
Transfers Natave
Working parties
Uncoven thie I service
Veterinary dej aitment
     (General questions)
     Voter nary surgeons
     Fare ers and allowing smiths
    Parmer's forges
                 Special worl in No II Branch not slown by dist shaken but
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Yearly return of owners the number of removants, required to encoplete Brotish envalry regiments on 1st October—forwarded to director of army remount operations

Yearly return of officers who have passed the honor or high proficeancy tests in Arabic and Persun, towarded to Government on the 1st September

I early revision of orders connected with rehef of troops

Norr—Abstracts and remarks on all confidential reports are to be submitted to the adjustant-general through the
deputy objusted general. When quest one was out of confidential reports on subjects direkt with an other trunches
seriously not be intensifient for the intensifies convenient for action.

Baggago-(Q M G)

Cattle Contalescent depôts

Camp cquipage—(Q M G) Canteens Carrage—(Q M G)

relating to such depois)
Cooks and cooking
(Luropean and Native)
Couris of inquest
Death reports

Devete Asserted American General.

No. III Brink—Instribution list of work, Ist January 1878

(Includes command and staff appointments, inspection reports, and all other matters

(Supply of all regulation and drall books, religious books, and army lists)

```
Discharges, Luropean
Drofts and detachments
    Diffects and credits
          (Including committees of adjustment)
    Enquiries soldiers
Establishments
    Field parl #
          British reguments
          Native, 16. Native establishments of European and Native regiments-(Q M G)
    Torns.
     Good conduct pay (European and Native)
    Good-cond et rewards
     (Amountees and grainstees, and good conduct medals)
Guards and escorts (I propern and Nature)
     Justicitions, European
Auund confidential reports on British infantry (one half), and all general questions
               (I mropenn)
Norw—Abstracts and remarks on all confidential reports are to be a shoulded to 110 adjustant general time upo the deposity adjustent general. When a species can a so 0 of on Sabuthai reports on a subjects deals with an other branches extended to the contended and appears.
     Ins al de and institution Desopera
     Lerve, soldiers (European)
     Laborries
     (Supply of books and maps and all other matters connected write Government librance)
Names (Changes of manes)
     Non commissioned ofheers (Bartish regiments)
     Order-
           Home orders
                          (Questions vising out of these orders baring dure's headings are taken by
               brinches when the orders are enculated )
     Passage and transport-(Q M G)
           (Individual and exceptional eases only are treated in this office)
      Pus, soldiers (I uropean)
      Pension and pensioners (Luropean soldiers)
      Records
           British regiments
            I irope a solling
      Reliefs and movements
      Remaida, soldiers
            (I propern and Native from staff employ)
      Hosal engil cers
            (All questions, except leave and promotion)
      Sappers 11 6 поинтя
      Service, sold ers (Puropean)
      Sig talling and telegraphy
      Solther clerks
      Stuff soldiers
      Telegraph department-(Q M G)
      Torredo defences
      Trasme el este
      Unattached list
           (In buding volunteering and promotion)
      Columbier corps
           (All que trous except musketry majruction)
      Harrint chices
            (This hering meludes the discipline lene, pay, records, &c., of all warrant officers,
               except those of the medical department)
      Women and children
            (Including sub-intence allowance)
                         Stretal word in Vo III Branch not thoun by distribution list
           General unaffrebed hat regarter
      11
          Index to drite
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(1227) Appendix IV.

Unattached list by dej ratments (departmental rolls fled and kept up to d to by pencil Ш notes)

Unattached but by regiments (regimental rolls filed and kept up to date by notes) Unattached list casualty book V

VΪ Service rolls of warrant officers (G O 360 of 1875)

ИV Register of non-commissioned officers who are applicants for appointments at hill depots, gransons, and other staff situations

Register of the old Furopeau army III $\Gamma \lambda$

Register of British solthers discharged

Periodical ret 7 is far isshed to departments

Annual return of 2nd class warrant officers requiring passage to England. To quarter-mastergenera) on 1st June

Annual nominal roll of men on the unattached list on 1st April, for adjustment of clothing compensation To examiner of clothing accounts

Perso heal returns for unhed to Government

Monthly ensualty return of the anottached last

Indian pentioner: Ditto

Ditto non-commusioned officers other than royal engineers attached to suppers and miners

andestrd balevac Ditto

Half yearly return of British soldiers who have purchased their d scharge

Annual descriptive roll of non communicationed officers and men on the upattached list

Annul descriptive roll of invalues and pensioners formerly belonging to the unaticehed list or Homorable First India Compuny's service Annual descriptive long roll of Daropevu non commissioned officers either than royal engineers

attached to sappers and miner-

Annual descriptive roll of the European invalid buttalion Arranal ers withy return of Daropean non-commissioned officers other than royal engineers attached to suppers and miners

Annual casualty return, pensioners Annual casualty return, anyahd battalion

ABSISTANT ADJUTANT GENERAL

No IV Branch - Duch button led of work, let January 1878

Bands and meaves Laroj can regiments [Includes all questions of donations or subscriptions, bandmarters and bandmaster seage nts)

(Including compensation for) Barraol's and buildings

(Includes furniture, tattaes, fael, lighting)-(Q M G)

(Staff College Roonker College)

Clothing (European regiments Compensation for elething included.)
Colors standards and slags

(Supply questions enly) Commissions

(Comprising rations and all questions of supplies from the commissarrat not provided for under direct herdings)

Depôts (Embarkation and regimental depôts)

Discipline, European soldiens Courts-martial

Courte, ctvil

Courts of enquiry Descriers

Discharge-incorrigible bad character-ignoming

Penal servitude and discharge of men sentenced thereto Prisoners

Warrants for the removal of prisoners

Extension of curice (British soldiers)

Pines for drunkenne s Dress European and Native

(Under this heading comes the dress of all European and Native officers, warrant officers, and sol licre)

Dall and instruction

Equipment [Includes subsetahe, field-forger, and all stores not provided for by direct headings]

Exchanges (Officers of British regioneses and britishous)

Exhibitions Gymunstics

(Includes gympasia restructors, fencing, have practice, assaults of arms, &c.)

Incapes British

Inspections, European

(Annual confidential reports on British cavalry, and one half of the European infantry)

Master tailors

Military instruction

(Of officers and soldier , meluding examination of officers for promotion)

Neces ares

(Regimental necessaries of British troops) Ordernee store

Postings of officers (To battalions of British regiments)

Prisons

(Military prisons, regimental and station cells, and visitors of military prisons) Quarter and house rent—(Q M G)

Recruiting and bounty (European)

Re engagement Regimental institutions

(Including coffice shops, recreation-rooms, guidens, theatres, and other institutions for which

no direct beading exists) Savage bauls

School

(British and Native, including moonshees and magic lanterns) Sea Lits

Soldier servints Transfers

(British officers and soldiers) Volunteering

(British coldiers, except those of unattached list) Workshops

Special work in No IV Branch not shown by distribution list

Register of pen il servitude and other preciners for d charge

Anni il norl dions report for Government

Annual exhibition report for Government

Annual military prisons report

Annual return of officers and soldiers made over to evel power for turn—for Government Quarterly return of officers and soldiers made over to evel power for turn—for Government Arr al return of officers for dep 5t duty—for Horse Gu 1ds

And oil return of men volunteering to regiments remaining in India-for Government and Horse Guar le

Regular of officers who have passed a mous exam mations

Ann rel return showing quantities of hall and English beer consumed by the ticons-for Gov-

DEAUTY ASSISTA T ADJUTANT GENERAL Relatu Brenel - Last of relatus prepared

σ	ektopi	lica of relaxes.			N un her of copies	For what department
General return W (Abstract return (to P turn of Luropean extp Return of offers of Return of deaths in Al tract courts in it Arist and depart je to a British ser	lecf and rotal rotal rotal rotal rotal	iteops) Antre irreps, lenguers officers and was furn expects of office	rent officer er, Her I	15		A G Home Grands M S to C in Cheel M S to C in Cheel M S to Vicace, S of S for Ind's through M D Set to Cost, Mily Dept C in Cheel direct A G, Howe Guardi Sey to Gost, Mily Dept C m Chief are M S to Comr in-Chief
Arms I mid justice Punt I ment und sun	re oi trry,	new lune regum British troops,	eat Bengal		j	Secy, Beng il Mily Tund
Ditto	đo đơ	do do	Madris Bombay		1	C m-Chaifdirect
Ditta	de	Nature treeps	Bengal	-	1	

Description of referen	Amaba of cap es	Por what dequatement.
Statement of afterthous on the shall in India Last of offices in command Cascallice in the Order of Entish India Return of offices doing general duty at the several sta- tions in Bengal	1 {1 1 1	U Seep of State for War U S to Vaccop M S to C in Chief For No 1 Branch Datto
At 1 of Caste return of Nature troups Rangal Return of total at a near and amount of layour con a word in cantens, the Return of the experient man annulude and others who will be ent from educing cassing tooping easier Return of electron among officers of British and Indians a my Return of leather among officers of British and Indians Return of leather among officers of British army Return of leather among officers of British army Return of gravite, orderless, and escents furnished by the Natura troups Return of meanod and vanatured non-consensed afforces in in our in the three permedience Bottom of turn-capital arms and savalets	{1 1 1 1 1	Sury to Gort Mily Dept C in Chaf direct Stery to Gort, Mily Dept A G, Hones Gunds Summary Commissioner Surga Geol Enth tocops Datto Seey to Gort Mily Dept Ditto A G Hones Gunds
Note —Also special reforms wh.]	ace called	for freque thy

Assistant Adjutant General for Musketer

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No V (or M shelry) Bra ch - Distribution hat of work
Acconferencests
Ammunikon
     (Small arms )
Annual course
Annual returns
Apphraces
Armoreza
Armorers' shops
Arm racks
Arms reports
Books
     (Minor beading only)
Dall and instruction
    (Minor heading only )
Examinations
    (Of officers and non-commissioned officers of both British and Native troops)
Exemptions
(From annual course)
Experiments
(With smill was and ammunition.)
Forages and tools
(A morers British and Native troops)
Forms
     (Musl etry forms only )
Good shooting and judging distance rewards
Inspections
    (Circle and special reports on )
Magazmes
     (Small ums-Regimental)
Matches-Raffe
Maleell neous
Orderace stores
    (Attached to the musketry branch)
Practice between annual courses
Ranges
Reports-Curcle
Returns
    (Arm) and regimental)
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(Ap) outments on the army muskeiry staff)

Staff departmental

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( 1230 )
Appendix IV ]
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Staff, regamental

Staff, non commissioned office r

(Appointments on regemental musketry staff)

Travelling expenses

(appointments on regimental musketay staff)

(Out string or detention allowances)

Talunteer com .

(Arms, ranges, and musketre apphances only)

Special word in No. 1. (or Mueletry). Branch 10t shown by a stribution is of 1 or 1

1 The preparation of quarterly reports showing notion taken on all must day sub-sets during the quarter for submis 100 to the Communder in-Chief in India, and the inspector peneral of must

letry, Hithe
2 if excumentoes of, and report on, the control proceedings of regenerated leaves of our eyes
the arms armour: there shops and filtings, as well as the forges and tools in possession of the British
cavility, art liery, infantry, and intro-infantry and cavility.

4 The count attend of the property on, claims for good shooting and judging-distance remaids of

Native civalry and infinitry regiments 4 The examination of monthly reports on the magazines and amministion in possession of the British cavely and infinite, and of Native envelopment and infantry, and the remediting of all defects discovered

5 Checking the calculations contained in the annual returns of the practice made by the several regiments of British a yalty and infantry and of Native exalty and infantry

Preparation of statustical retains showing, in detail, the must city practice of the troops. Preparation of the annual musketing practice retuins for publication in general orders Preparation of the monthly musketra practice returns for submission to Ilis Excellency the Commund r in Chief in India

Colonel C C Talmson Off-erd in Quarter Master General in India

Barrack Department Bazars Bedding (Pullinees, corr, stran, supply of)
chary Buildings, hutting Buildings, ruxiliary burnek hgliting ** cells and presons mess houses 33 ,, Native troops ceclestistical • 29 gymnasia qun ในช ,, ospital regimental institution 44 Buildings, canitaria

Burt I grounds Crimp grounds and encompments Cunt s, Comm inder-in-Chief Camp equipige Camps of exercise Custonments (Sites, &c., esatonment regulations other firm mehtery) Cantonnient funds lock hospitals Complaints and petrtions Cooling (seale of stensils, earnage of, 80) Departmental Di tril ution of army Lerleunetic I (I unuture, est iblishments, and allowmee for churches, &c) Fillmice Louis ment (In naching tools, lagurahs, suke tils, &c) T tabl liments, general punlah and tattie il erminti lote I nie (iransport officers and comps, l ell'operations Linance ada ni ce estiri ti tricell neons recovered. 21 Tir a

I ora, c

Portifications. Fucl Parmtune. Gardena Guards and escorts (Provisions of troops for) C) mnasia Inspections Intelligence Library office Metapological (Observations t Simla, instruments for, &c) Morements, ersuni relief 12 sanifaria. Ordannee s'ores Petty supplies

Pauteous Ranges, artillers musl etry Reports and returns Refurus, embail ation discipling ition Routes and roads

Smit iry questions Sumiling and telegraphs Surters and reconnaireances Topography Trunsport, inland

move able Fr 3 33 sich carnage Working parties

Colonel A. H. M. sever. Dep. by Adoption-General Royal Artiflery on Index

(a) Promotions appointments, postings transfers, exchange, examinations, leave and furlough of officers of royal artiflers

(6) Falstment, promotion, and transfers of soldiers
(c) Disposal of men volunteering to remain in India and of draffs arriving from England

(1) Case of seconds of all m n of the rotal artillety on the unattached list

(4) One of records of All in the first actuary on the management is (s) Automore of first, equipment, of bulleties, these, management (A) Interior commons, close shall manifolding gain shill of catalry and infantry, printers of batteries, and all questions comments in the stellar, houses.
These me such shilled into no less thris servestly seven healtings. each subjoined list mixted C.

news no sum on non-mon me non-mon surpose rense server, a second, a second non-mon surpose server, a second non-mon server non-mon server non-mon second non-mon server non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second non-mon second year the number of recepts and asses have been 11,915 and 11,261 respectively, or in merage of 1,323 and 1,2a1 monthly

Last of heads go dealt with in the office of the dopaly adjutant-general, royal artillery to India

he Hexing	Ио	Head ng
Ammuniton Aime and noonirements Books Buildings, Cum purpue Cump outpue Cump of cerease Cumping of cerease Cumping of cerease Command Com	40 41 42 43 44 45 46 47 48 49 90 51 53 54 55 60 61 62 63 64 65 67 77 77 77 77 77	Inspections (horses) Instruktion and time-expired men Instruktion and time-expired men Models and gentrations Models and gentrations Models and gentrations Missell times Missell times Missell times Missell times Missell times Missell times Missell times Missell times Voluments Voluments Vennou

Elaterent channes the number of letters recoved on, and usual from the affect of the legals abstract general, regal artillegress ludes during the past four years, for the period from let January to 20th J. se in cach year

	R	eceup18			ı			Issles		
Increase	1874 5 50 <u>4</u>	1875 3,739 454	1576 4,038 250	1877 4,498 420	ļ	Increase	1874. 3,040 380	187o 3,490 459	1876 8,670 177 2 108	1877 4,602 926

Mexorandum by the Deputy Alpatant-General Royal Artillery in India, stating the subjects dealt with in the Artillery Branch of the Adjulant General's Office, with reference to the Government of India Isites No 5801 Ay uni Gineral s office, date I 10th April 1876

All questions connected with the following subjects and referring to the royal artillery in India are dealt with in the artillery branch, we ,-Promotions, appointments, postings transfers, exchange, we cent until it the grains) name, or professional specture, proteins a truncity confidence between distillable of elicine, enhanced re engingeness, and discharge of solutors and the transfer from one brittery or bright to another, deport of men voluntering to remain in Indua and of Justice in Digital. A transmeate, enquented stores, amountous, misus economy, lives, dull (including gun till) of evalty and inflantly 11-etics) and all questions elimented with vallety to lease.

Q. estimat relating to animately to extremely constitute of must be epi wire marker greats a department

in 1861, where it was stated they had previously been dealt with through made citence, and questions

in 1994, nearest a via season way and applications for leave from artiflery officers, once it insferred to the departy adjusted general in 1868.

The other subjects above mentioned have been dealf with in the utility branch since its formation, m 1862

Of the three subjects since tal on over and still dealt with in this branch, that of armaments has marased, and will to a still greater extent increase, the work of the office this, honered, a purely artillery question, and should always have been dealt with in this office

Applications for leave from art Hery officers me, I think, best dealt with in this branch, is the deputy adjustant-general, royal utiliery, from confidential reports and other sources, is fully acquirinted with the state of the buttones. The trunsfer of these applications entailed no extra work, 18, paron to them transfer the deputy adjutant general had in all cases to record ins opinion whether

18, parts to man accuss a new open some general and a second over in 1808, were the distribution of propositions essued of with a tiller, heres, which were braided over in 1808, were the distribution of recomments, transfer and ensuing returns. Remounts we now distributed under the orders of the director of unry removed open times, having first been allotted to the served mounted hiracities. by committees assembled under His Excellency's orders. Transfer and casting rot uns are still dealt

with in the artillery branch, and I think advantageously so

The deputy adjustant-general has generally been for many years a mounted officer, and knows the requirements of the mounted branches of his arm. It therefore appears desirable that questions

connected with artillery heases should be dealt with in his branch

connected with arminal places should be death with in his branch.

One more subject has attach one over in the beginning of 1874. Funding that I was frequently referred to on questions relating to earlier houses, smaller to those which I had to deal with for the warming and perfect consists so luggly of efficies belonging to the artiller, and that all questions electing to him goar applied equally to earlier, and that all questions electing to him goar applied equally to earlier and in this. I thought it must demalle, for the sale of muchinary to election, that all these subjects should he delict with by one officer for evenly as well as for widely and that with the subject should be delict with by one officer for evenly as well as for widely and that one of the third to my noil. I officered to do so and my office us a recepted.

These, I submit, no the only office I have performed which have no special upplication to the

artillery, and they have now been retransferred to the adjutant-general's office

remainly, and awey have not over necromated to the explanation of the control to its shorted that, in come of the contemporalment which has tall en phree or this solphet, the profice which obtains at the force Ganade has been crited in support of the sistem of having mind it inflamment to a separate department of 1031 artillery, but that there are material points of difference between the two cases into which it

The currently was taken to make the companion negroup

It certurally was stated that the dates of the deputy, which the general of artilles y required such
thorough from ladge of the personnel as well as of the metered of the army, that no one but an irtillety officer can afford him real assistance and that it sine doubt to the regimental and technical nature of these duties that the artiflery branches, both at the Horse Gnaids and in India, one their

With rightd to the personnel of the regiment, I submit that, so long as the present organization over the property of the personnel serving in India must, to a great extent be virtually exervised it had against a find the personnel with a the office of the deputy with it that the office of the deputy of the personnel of the personnel with the personnel of the p adjuntar general royal artillary in India, just us the command of the whole regionals is exercised at the House Greats, and dealt with high effice of the depth adjustant-general, royal artillary in India, post is the command of the whole regionals received at the House Great the received in the confice of the depth adjustant-general, royal artillary in the commander of the received and the received and the received and the royal artillary effice, at the Horse Guards, and referred from that office to the commander of the royal artillary effice, at the Horse Guards, and referred from that office to the commander. in clust in India are not dealt with in my office here difficulties will arise, and the object for which the office was no doubt established, it, to ensure similarity of system at home and in India, will be defeated

General questions, however us no way peculiu to the artillery but common to the whole of the umy me not doubt with for the artillery in my branch. Important questions of discipline, for instance, me dealt with by the adjutant general for the utillery as for the test of the army, also

questions of clothing

The property of decling in my brinch with all mothers connected with artillexy material is, I presume not questioned by the Government of Indra One subject I have emitted-"schools

Questions electing to intillary echools have generally been dealt with in the artillary branch. The large in inhere of detruched britteny schools, and the constant messently of comploying attillary non-commissioned officers as acting schoolaristics, render it, in my opinion, advasable that they should be dealt with 13 me

The coports however of the superintendent of miny schools have, until littly, not been sent to me and that one I have not been in possession of full information regarding the schools

In conclusion I submit, now that earning horses and line generates and the veterancy department have been transferred to the adjutant general, that there is nothing doubt with in my branch ti at should not be de it with and that any further transfer of worl to the adjutant-general would defeat the object with which the artiller, beauch was established

Rewarks by His Tweelles by the Governmenter in Chief in I die

I concur in the above These is no branch of work non-netword in the royal artillery branch which could be properly transacted elsewhere. I regret that the whole question of remounts is not retuned in the deputy adjutrat-general, 103 st scallery branch as it must still be dealt with there as regards remounts for patternes. The separation of entity from royal artiflets appears to me to be incontinuent

Men or and an by the Deputy Adjutent General, Royal Artillery It is not possible to give in actual details the increase of word in the royal artillery branch due to

the reorganization, and consequent abolition, of bingade head quarters in India necessitating it any questions which formerly were disposed of at been quarters of largedes being referred to arm head quarters for settlement for they were of every land and description. But the following may be mentioned and may be considered to more that the work his meandably and necessarily more ed

(1) By the aboltans of the even begate instantons in gu many the matter reports of 10 but-tenes 4500 rounds per buttery have to be carefully checked by mo office in the roal writhery office, and, nor that shooting prizes will robably be introduced, this becomes more than ever measure;

(2) By the abolition of brigade head quarters, under retructions from the Horse Guards War Office the proportions of all non summassioned afficiency there the real, of responsition and of all notices incre to be made in the dupty "dynamic-general a office" in necessitates the disching it the application partners and the keeping of a prosocious role for 46 believes which much to under the super-mon of an offices and cannot be discoved to the besid quarters of the copy it "they discounts as the best found and the contract of the discovery of prosocious role and the sum of the discovery discovery to group the artiblety of several discovery discovery discovery to group the artiblety of several discovery discovery to group the artiblety of several discovery discovery to group the artiblety of several discovery parpose of ensuring an equality is promotion.

(3) The records of service of officers of the late Indian artiflets formerly kept up by the

head quarters of largedes, have now to be municipal in the office of the deputy adjutant-g neral,

men quantum or uniques, note now so so minimument in the since of the alphy of thirty and thirty.

(4) The records of copil artillary note on the unofit which have formerly returned it had quarters of brigades have now to be kept up in the deputy adjutant gave als office.

(c) Transfers from one battery to another (c) Postongs of drifts 01 arms of figure Pugland, and disposal of their records (which as far as brigades were concerned, were, under the old system curried out by others communding brigades)

ung water were constraints, which process was a passent current user by outcom constrainting integrated?

(7) Insequence signifies, and the times of, observes and more which in more; makeness were formedly sent to and disposal of by largical have sone of necessity to be satisfied by the dry of, optimizations when the process of the satisfies of the process of the satisfies of the process of th

returns in the deputy adjultant-general source by considerably more than one last

(9). All applications regarding insuranges of solutions and libral, which inherits new regulated by br., ile, we now contacted by the class of solutions and the contact which is the classification and install while is strongly in ladia.

(10) Admit ortiz wash has also enused from the invest questions waste of considerable magnitude, regarding prosment of forts and equipment generally and constant changes in, and introduction of nor articles of mais as back are lakely to occupy the attention of the Government of India for

Some time to come

(11) It may use be mentioned that the unknowedness of interpresidential schede of royal actillary will cause an odd tion to the work of the dipartment for the transfer of lattice of from one presiding to mother necessities the opening of fresh books, the preparation of nominel rolls of all men so thansferred, and continual refluences and arrangements regulding evolutings of stores and equipment of every description

A B -These three last pringraphs do not refer derectly to the reagrammation of the artillery, but nevertheless show plantly sources from which work of the artillary office has considerably increased of late years

Colonel J being Judge Adve

Registry, review, and antennesson, with reports, to the Communiter-in Chaff of general courts mantial, both Managean and Native, also of such district courts marrial, Laropean and Native, as are reserved for disposed by His Locallenes

Registry and nexture generally of district courts-martial. To opera and Nature, with reports on such as for any irregularity have to be

brought render the notice of the Commander in Clini Register and review with reports to Adjutant General, of Natice summary courts martial involving dismissal with agnorating. Reports on may other courts martial as to which appeals have been received Reports on applications for treat by general or district one to much hos officers, wirrant officers, and

medical s diordinates for my officace und of all persons for non mulatary officaces Cases and questions of various kinds referred by offices at army head quarters, general officers communding divisions and districts and the deputies of this department

Occasion il references from the judge advocates general of the offer presidencies Review of registers of Antive counts in ictual, regimental and summary, received monthly for each

circle f on the d ; ties of this department Frentand despatch of general and district couris marts 1 (European) for record in office of judge advocate-general, London with regular monthly lists of the same

Preparation of all a mounts requiring the signature of the Communder in Chief empowering his suboiduate officers to convene general and district courts martial, and for the removal of prisoners to England

F F Callins Eng Pr nespal Veterinary Surgeon Bei pal Army

Monthly sanit my actorns from batteries and reguments of British ewalty upper encle
Consolidated annual report from monthly returns sent to adjutant-

goneral Annual returns embodying similar information from the lower cuele

Commentary on the above forwarded to adjutant general

Half yearly indents for bazzar veterinary medicines, upper circle

To commissurat department Annual medical indents for Linope medicines and instruments from all cavalry regiments and batteries, upper encle

To medical department Annual veterinary reports of statistics, &c , from each veterinary surgeon in both circles

Annual indents on principal veterinary surgeon for forms required for batteries and regiments,

Emergent undents for Europe medicines.

To medical department

Emergent indents on the commissanit department To commissatifit department and controller of military accounts

Reports of transfer of vetermary surgeons, both cucles

Reports of departmental committees upon forage, medicines, mistruments, &c, in upper circles

Reports of departmental committees upon forage, medicines, mistruments, &c, in upper circles

Reports to the departments concerned Arrival and departure reports of veteriousy surgeons, both circles

Reports upon remounts passed into the service

Quarterly returns of the veterinary surgeons serving in Bengul

The allotment to the three presidencies of veterinary surgeous as they arrive from England

Casualty reports from reguments and batteries

Chemia instructions from principal reterinary surgeon in Figland
Annual reports of inspection of British and Nature cavally regiments and batteries of artillery to adjutaut-general

Commentary upon similar reports from lower circle

Annual confidential report to the purcoyal veterinary surgeon in England about the qualifications

of veterman surgeons in Bengal Copy to military scoretary to His Excellency the Commander in-Chief

Distribution list of veterinary surgeous in Madias and Bombay Report from standing barrnek committees upon questions of sanitation connected with the de utment for report

Casting committee proceedings for report

Departmental reports from the various head quarter departments Annual departmental estuante of expenses of the veterinary department for controller, mulitary accounts

Quarterly departmental arrangement of the army list

Depurtmental transfer returns for adjustment

Departmental sanction for leave and arrangements for currying on the duty

Vetermany surgeou's periodical inspection reports upon horses of out-stations for report

Major A S Hunter Director of Garnson Instruction in India All matters m any way connected with the instruction and examina-tion of officers desirons of completing the requeste qualifications for—

(a) appointment on the regimental personal or general staff of the

(b) promotion to the several grades up to field officer, such as-selection and recommendation of garrison instructors and examines a review of papers of questions and drawings submitted for approval by the examiners

(3) trinting and periodical issue of papers of questions and drawings for the various examinations
(4) formation of classes, withdrawal and remand of officers siteading classes. formation of classes, withdrawal and remand of officers attending classes

(5) introduction of new tests of qualification, or of new additions of the several text-books (6) reporting the results of the examinations for publication in orders, and for the information of garrison instructors

Major H J Hallowes Inspector of Gymnasia in India

Apparatus. Buildings Clothing Drill instruction.

Instructors Muscellaneous Returns

Stuff Stores

(1) Books and forms (a) Apparatus—embraces checking and passing estimates of, preparing plans of, suggesting alterations to, &c

(Appendix IV

(b) Buildings—embraces after thous to burnel, rooms to suit upparties, afterations and repairs to emiting buildings—approxing estimates of alterations to, femoing floors for eavalry and infantry gymnasia coar fibre for interior of gymnasia

(d) Drill &c -embraces mound course for officers and men to qualify for certificates, the working of the round closes in regiments, &c.

(e) Instructors—embrace the confirmation of all appointments in regiments, and the keeping regimental staff up to authorized animber

(f) Miscellaneous-includes subjects not carbraced in foregoing, also "inspections," which comprises the innual report on the working of gymnasia and reports to general officers on the regiments

un their commund (g) Returns embraces checking all returns reterved also calculations in class reports of men, compiling quarterly actures for His Precliency the Communder in Chaef and the Horse Guards,

cheeling prizes for competition in succidentalish of ear by regiments, &c Staff-embraces appointments to supermitted gyannam, and the non commissioned officers

attached to each 1st class gymnes um and questions connected with office, pay &c

(i) Stores-embraces passing and cheeling indents for fenerag and gymnastic stores for each

regiment and gymn remm, in the estimates of requirements, &c

(2) Bools and forms—embraces the supply of drill books and forms to each regiment

Major P W Denn Sipern tendent British Army Schools

The subjects dealt with in my department us the following -(e) The appointments, transfers &o., of select insters schooling tress, and assistant tenebers attached to British army schools in this presiduacy
(b) The recommendation of non-commissioned officers and soldiers

of the Br (18th runy to this presidency for extrincities of education.

The receipt and record of monthly reports from the various schools about 75 in number.

(c) The recent and record of measibily reports from it e various actions above 10 to monomer (d) The provision of reviewing (looks, statement) and a change materials), nucleiung check of radicals, record of recents and prepriations of ranged requirements.
(d) The recent of the relationship of the relationship of the director general of multiny (c) Correspondence with the adjutant-general in Tudis and the director general of mintary education, relative to regulations and orders and the system of education to be adopted.

(/) The receipt and framemission of reports by the sub respectors of the r am all evaluations and imprections. This is an important portion of the present work of this office, as all defects brought to notice by the sub inspectors have to be considered and referred to officers commanding, or reported

on when necessary (s) The preparation of the reneral estimates of the department, and the furnishing of an annual

report to the director general of mulitary education

(4) A general supervision of the schools

Moyor P II Massa Super a tendent Autive Army Schools Umballa.

EXACUTE S OUTDOOR WORK

(c) Inspection of sexty eight regimental schools under His Excel lency the Commander in Clines (so far as the travelling allowance permats)

(f) Superintendence and triming of the soldier students of the Native army normal school, Umb lin, for the teacherships of their respective regiments

(e) Yusting evel colleges for everley hand masters distinct schools for infantry head masters, normal schools and higher remember schools for permeater masters, in co operation with educational officers.

(e) Virstang Gove ament bool. deplots, Natine salesmen of emprights to rurange first purious of bodys stabile to the wrist of our schools be published and Natine bodyshops to fair the lowest process for or body and malarian wholes in the Nations empraghedes endo process for the body and malarian wholes in the Nations empraghedes endo "Virting states Nation educational editors, and keeling Natives interested in schools to explain the current perion to our subodystates and analose them to encorange conductors to other the

sereton

OFFICE WORK.

Extract report on Native army schools, 1873-75 Adjutant-General's No 1058D, dated 22ed May 1876, pege 1

The worl consists of-

(d) correspondence reports, returns &c., for amny herd quarter, and other departments,
(b) thito with 68 communding officers of regenerals
(d) thito with melly every herd mercels of Governments and midel colleges and schools

when Ordon is to the first members of schools and large numbers of applicate right members of schools and large numbers of applicate right schools asked the schools and large numbers of schools and only schools are the schools and schools and schools are the schools and schools are the nghts of pravate books

(d) the examination of school attendance registers and schoolmasters' reports received quarterly and annually from all the reguments of minutey and cavalry in Bengul, including the normal school

(c) correspondence with regiments of the Pumph Leutise Lores, and of corps under Govern-

ment raylous to ma stars schools The necessity for this work wases from the fact of the schoolmasters being of castes and clauses

prejudiced against entering as call sted away schoolsarsters, and the competition which arises between other departments, officers and professors mexicus to employ the educated youths of their provinces

Colo el R L Moste Acting Commissity General Modest

- 1 Viciniling Furopeans
- Victoriling function
 Victoriling rest-houses
 Victoriling Natives on foreign service

33 Supply of veterinary furnities Supply of ol and Imps to barricks 35 Supply of filters 36 Supply of bedlig 37 Supply of cooking utensils 38 Supply of furniture to reading-rooms and

recreation 100ms

Furniture to bur ack masters 4) Turname for reg mental workshops

49 Supplies to armomers' shops 50 Supplies for browning arms

51 Supplies of brarred muscellames 52 Suppl es of wine and beer to hospitals

53 Supplies of furniture to hospitals 54 Supplies of clothing to hospitals 55 Supplies of bedding to hospitals

Supply of dicts to hospitals

Supply of medical comforts 58 Supply of heart med cines 59 Supply of bespital insections 60 Supply of dict and table requisites

61 Supplies to Native hospitals

department

Supplies to leel 1 capitals

Payment of all charges for caris and boats, &c for medical stores

64 Latering into contracts for medical store

42 Supply of seeds to soldiers g idens

43 Supply of fringes and ropes to punkhas Suply of I has I has tattes

45 Entering into contracts for punkah coolies 46 Supply of disinfectionts 47 Lighting libraries and recreation rooms 48 Laghtang 1 ight schools

furniture 40

41

56

57

80

€3

39 Supply of carts for filling plange-baths and

Victualing Duroperus on boardship
 Victualing Natives on beardship
 Supply of doole benefit
 Supply of hired benefit
 Supply of pired benefit
 Supply of pired benefit

10 Supply, care and maintenance of camels 11 Supply care and maintenance of artillery

draught bulled s

Supply, care and maintenance of sick cart-bullocks 13 Supply, care and maintenance of males

14 Supply, care and maintenance of pack-bulled's 15 Supply of mult beguer

16 Supply of him 17 Supply of hind carriage 18 Treight of stores from post to post in India 19 Inland boat and rates steamers freight

20 In Burmih payment of one third freight of stores from England 21 Payment of all milway bills for troops and

atores 22 Despatch by 1ail of all ordnance, clothing

and medical stores 23 Carriage of ordnance, clothing and medical stores

24 Teed of hore s Vetorinary supplies

26 Dict of sick borses

27 Supply of line grai 28 Supply of puckalities and I beesties on certain

000191008

29 Supply of camp contingencies 30 Supply of hay in lieu of grass cutters

31 Supply of he lack from time and repair of do 32 Supply of school furniture

Colonal S S H D Clamer in Ordnance Department, el rego Madras

The supply of wallike stores and camp equipage The manufacture locally of gamponder, faces faction tubes, &c The mmufacture locally of gun carriages, ca is &c

Prepulation of annual budgets for nathiel and personnel, estimates of cost of Europe stores August moent for ordnance stores from Lurope Orders for disposal of unserviceable and redundant stores

S mervision and administrative control of arsenals, factories and depots, with periodical inspectaons thereof Replies to references from Government on the subject of waihle stores and other matters

General correspondence with regiments butteries and departments regarding alterations and

additions to equipment, and general questions thereon Checking and passing indexis for stores.

Thomotons postings, removals see, of officers warrant and non commissioned officers and Native setablishment of the department method gall out stations.

Checking and passing of bills for inticles of orderince supply purchased locally, including repairs to camp equipage

Cheeking and approving contracts and tenders for local supplies (including purchase of timber for gun carrage factory) at herd quarters and out assemble
Administration of the saddle contract funds for regiments of Native cavalry

Checking amount demands from assemble, factories and depots for articles of stationery of Europe and country manufacture

Correspondence regarding the truming in the local usenals of armourer surgeants and armourers for British and Native regiments

Surgeon General C. A. Gordon M.D. e.n. Princ pal Medical Officer British Perces. Madras

The subjects dealt with in this department comprehend all matters counceted with the full superintendence—medical stratary and economic—of all British regimental and other hospitals under the Madras Government and of all professional daties connected with British troops

in the Midris comman l The following returns and reports are forwarded to the director general army medical depart-

ment London General annual return of such and wounded (W O I 298 in which twelve minor returns are embodied)

Annual report of medical transactions to accompany the above. General annual return of casualties

Arrival and departure of medical officers

Monthly return of sole

Monthly return of medical officers

Return showing the distribution of British troops during the quarter

The following are submitted to the Madras Government or -

Stational return of martality among Butish troops in the command

Report on health of Brainsh troops with twelve tables Administration report of the Brainsh troops compiled for the official year.

The following to transmitted to the adjusting general v = 1 General annual raintery reports and returns (W O F 516) for submission to the Secretary of State for West through His Escellency the Communder in Chaef The following is trumsmitted to the surgeon general, Indian medical department, Fort St

George

1 Numerical return of British troops in the Hadras command. The following actions are checked in this office and forwarded to the saintary commissioner with the Government of India

Weelly return of stel from each corps in the command (W O F 201A)

Annual returns from each corps (W O I 197 and N O 1 298)

The budget estimates of medical officers are also cheefed by this department, and a general estimate prepared and furnished to the controller of mil tary accounts and the commission general

Dr H R Oswill MD Acting Surgesa Geseral Indus Medical S rucc Madras

The whole range of medical administration, namely the maintenance of the necess ry staff of medical officers and subordinates, the regulation of the postings and promotion of the entire medical stall and of

the ed vertum of substituties the herlish and santition of the Native
the medical and common anagements of Native military
hesmials, lock hospitals military and civil lumine as lumis special and other civil beautile to the presidency lepen hospitals in I hospitals, police hospitals and civil dispensiones

preservery reprise properties for temperature processing as a consumpression of statistics and preparation and printing of named reports connected with the statuess and mortality in the Native viny and walling of lock they trids, function systems entitle and disposures. Also general and miscellaneous inforder unique of the confidence in con-

nection with the medical administration of the Madris presidency necessary was the element reminists uses at the statem presence. The administration of the modeles store depth end state (the proportion of inducts for applies on Hei Reputity's Secretary of State and the closed range and pessage of all indexes for medicines, for required by Inapathy's So untilary and soul To Buy quantition of the related to buyer statement and mixtury, we did the clocking of all local fund bound budgets on one for us they concern soul during the clocking of all local fund bound budgets on on for us they concern soul during the clocking of all local fund bound budgets on on for us they concern soul during the clocking of the clocking of all local fund bound budgets on on for us they concern soul during the clocking of the c

Dr W H W Cornell PROS Stantory Come so over for Med to

The sameny commissioner is the ide see and refered of Government mall pallic health matters. He unspects periodically and reports on progress in municipal affairs and towns and tillages in the presidency as nell as molifary contonments borars &o nother the Vides command, (2) he is also the registrar general of vital statistics, and compiles in his office returns of built and death registration throughout the presidency, (3) he has also the direction in I control of vacom tion throughout the presidency, and (1) is the official adviser of local fund circles and municipality regarding all matters relating to look expenditure for dirinage, water supply, conservancy and viscination

Colonel J W R least Controller of Mil tary Accounts, Madras

The department consists of eight distinct offices with establishments under the general control and supervision of the controller of multing accounts. The subjects dealth with, and mode of procedure, in each of the subordinate offices are fully stated in the appendices attacked and

A -Pay eximiner

marked-B -- Derminer of commissanat clothing and stud accounts

C-Examiner of ordannee recounts

D -Frammer of medical accounts

D -Esammer of finel accounts

F -Accounts branch of the controller's office

1 — Accounts triving to the continuers a state of the several questions to which inspects are required by the Commission
Thus report will therefore be confined to toples on the several queries so far only is they affect

the controller's office proper, and the duties come ted with it The controller's office is divided into three branches—

1.t.—The general department in which used speech of references of every kind on financial ques-tions affecting military expenditine, whether from Government or from other offices. It is a studing order of the local Government that no question involving expenditure of any description shall be submitted to Government except through the office of the controller of military accounts, whose report on the proposed measure is required to accompany the correspondence

The duties are of a general nature appertaining to all branches of the military department in

connection with multivy expenditure

2.16—The ludget department is that employed exchancely in the preparation of the annual budget estimates, and all tables of a statistical nature

Srd -The pension department in which we examined and verified all applications for pensions paid in the military department

Brammer of Course servet, Cieth.

Audit and compilation ofcommeanat, elothnig, stud and railway secounts (1238)

Examiner of Ordnanca Accounts.

Andritug ordnance store, regimental, burnek and station recounts Compulmer cash and store transactions

From per of Medical Accounts Madeos

A general control is exercised over medical expenditure, and over the recounts and returns of executive medical officers

Governments are audited and compiled

All charges disbursed by the commission and pay departments on recount of European and Nature multary hospitals are audited and compiled

The recorpts and issues of medical stores to multiary, evil, public works department and other

The charges mentiod on account of the civil hospitals in the presidency town are sudited and compiled

All charges which are not duly authorized, or not properly supported by vouchers, are objected to.

and, if necessary, retrenched The examiner reports to the controller for the information of Government on all medical subjects

and proposals involving expenditure, giving his professional opinion when such is required Examiner Vol cal Fund Accounts Madras

The names of all the subscubers and their families are registered with the pensions seemed for their families. The authorized deductions to be made from then pay are notified to the various disbursing officers Actumal calculations are made as to the value of contingent pensions secured for waves and families

Accounts of subscribers me regularly audited and bilanced

All subscriptions received are posted in the subscription hook. All promotions retirements and casualties are noted. All information regrading subscribers in England is futurabled to the director of military funds

harmoner Military Foud &c counts, Madras

A nominal roll of all subscribers to the fund is lept in the office, containing a record of their families dates of admission to the fund, pronotice marriages, birtles &c together with pressoning benefits secured to their children. The recounts of the subsenbase are kept. Subsemptions and don thous dibuted. Louis are issued and recovered. The amount to be deducted from each officer s pay being duly notified to the valous disbusing oficials

All information regularly subscribers in England being regularly inrushed to the director of multary funds at the India Office

Military Account Department, Accounts Branch, Madres

The preparation of mulitary books, interdepartmental and interpresidential and home accounts to watch adjustment of adjances presentant and nonto accounts to water adjustment or an ances issued by early terestrees and cucle prymerstes, &c, to regalite cash assignments in favor of disbusing officers (p.y., commissaint, remount clothing). British regiments, infantly and carally and bigades and bittenes, and Native corps in Burmah, and officers, civil and military, in charge of pensions, to examine and adjust transactions shown in the inter-departmental and inter-presidential and home accounts

The checking of recoveries and promonts appearing in the militury recounts connected with the service funds, Indian service family pension and upothecanies' fund, and Government strongs bank To watch the recoveries of strmp duties, on commissions of officers of the Indian namy, and fees due by warrant and Native commissioned officers, &c Of recoveries of miscellaneous claims against officers, &co

To I cop accounts in connection with effects of officers in cases of death, describes and instance on ECTY108

To check invoices of military stores, regimental necessaries, with freight and tenning recount.

This includes pay abstracts of regiments, departments and indivi-duals, also controgent bills, which comprise postage, building telegrams, trivolling expenses, &c

Liquitement Colonel A Searle, Signmentendent and Agent Army Clothing Walters

Pres dency Pay Office Madras

The subjects dealt with in this department perform to army clothing and accounts thesewith connected, sholuding the budget estimate

Buguder General T W Jobb, Adjutant General Madras

Statement of officers' services

Deputy Adjutant General Army Regulations

Courts mutal Compensation for losses

Promotions, retnements forlough, &c, of officers Non-commissioned staff of corps and departments

Memorials Staff corps Vetermary surgeons

Garrison instruction Examination papers of British officers for piemotion

Horse Guards and War Office correspondence Volunteering—discharge Trunsfer, &c., British troops

Warrant officers' promotions, pensions, records, estates

Clothing—British troops Schook—British and Native Postings of officers to Native regiments Gymn isra-telegr uphy Army list. General orders, extracts, proofs, indices

Confirmation orders Medical department-postings and removals

Lxumining and despatching con espondence Natave languages

Azzestant Adjutant General

Mess and band subscriptions Dress Native army
Native officers Order of British India Recruiting—transfers, discharge, Nytice atmy Clothing—Native army

Petitions not proviled for Balle and musketry Arms-account ements Remount department

Officers' chargers Custing committees Claums of hears to pension Register of heirs Pension-invaliding

Lord Chve's Pand Officers' and soldiers' nadows Petations for pension Native non commissioned officers Raul, and file

Biblio-payer books Rations—ernicens Meduls—prize etums, and petitions relating

thereto Indents generally

Imspection reports Confidential reports Inhranes records &c Returns generally Arenals and departures Casualtaes

1 disposition of troops 2, reliefs and movements of troops by ear, Major Telon Ext ng Officiating Quarter Master-George Mastras and and raiway 3 burnek and hospital accommodation, 4, multiny buildings, 5, public works budget, 6, barrick supplies and attendants,

b images, a poster water budger, d, charrock supplies and riskendures,

g, conservance S, saming, quedence 9, preside that of buddings, 10,

gater supply, 11, framport, 12, passage of others and interply pre,

13, cart-lure of immire of Netric tomore 14, charges of terms downers, and of officers und troops by pre,

12d, 15, but lure, 16, insting of Netric tomore, 17, allofamet of comp equippes, rule correspondences, each of and that lessers, 15 intones and doubles, 17 in legislation 12, grants of lund at conformation, 25 house bounds in cantometers 21, press of lund at conformation, 25 house bounds in cantometers [21, rule comps,

gh, olishord genities, 98, buttered fameties, and supressed 27 pinces and cells 28 admirestance of

rules for multicry conformatic and their famets under Malatra Act [6 1896 29, runy school require

18 and the conformation of t runs no mining emioanients new ments, 30 significant and seek to the control with the section regime ments, 30 significant elegations, 31 topographical maps and surject of mining conforments, reads and communications, 32, rentes, 33, ceclesiastical requirements in buildings and furnitare

Colonel G P B Sherard Judgo Advocate General Madras

Military haw and courts marked procedure generally, together with all matters connected with the maintenance of discipline in the army mendental thereto is having my bearing upon the overl and criminal law codes of the country. Every court-martial (district or garrison) held in the Madras wany is scrutimized by the Tudgo Advocate General ne person and any errors not noticed by his deputy are pointed out by bother

Lantement Colonel M W Wd Subjects coming under the following major heads are dealt with by to gliby Act g Cu cm mary Hou eral Bomboy this department -

(c) Commes oned wirrus, and non commissioned officers
(f) Unsovernated curvants
(f) Travelings on duty
(g) Dools-betters
(g) Public settle, which includes field column carrange I -Perso wl (commissannt)-

(e) Public entile, which includes field column carriage
II —Victualing Europeus

III _Victualling Natives

IV —Stores and stock V —Malt liquor

VI -Spuits VII -Purchase of live stock

VIII -Transport charges, hared carriage, freight, radway carriage, camp courage

IA -Horses X -Cump confingencies

XI —Mrscell-meous XII —Incudental charges

XIII -- Sea lat XIV -Budget accounts, audit

XV -Indents XVI --- Advertisements, tenders and contracts

XVII —Burnek charges XVIII —Medical charges

Major General W S Hatel, It spector General of Occupance and Magazines Bozzbay

Supply of arms, accontrements, remainstant of all descriptions, intrenching tools and came gampage, and soci exciting to theops Supply and repur of exercises of commission at department Supplies for rojal nasy volunteers and here police

Arrangements for obtaining supplies from Lingland and from local gources which er Government factories or contractors

Inspection of amenals and other ordinance establishments

Deputs Surgeon Central J M S Fono Offic ating Surgeon General Entire Lattes, Beinbay

Medical - Appointment of medical officers to British troops Distribution of medical subordinates attached to British troops Arrangements connected with the equipment and establishment of British hospitals.

Sandary - Sandary arrangements

 (b) Sandary — Sandary reingements
 (c) Statistical — Compilation of statistical, medical and sandary returns and reports

Dr W G Hunter Surgeon General Ind on Medical Depart ment, Bombay

I nance, military and civil Printing, detta Establishment, ditto ditto Education. Revenne, civil Stores, &c . military and civil Methcal bourd, ditto ditto

Statistical. Santation. drtto

Political, cayal Departmental administration

Military medical ditto ditto detto Cred Miscellaneous, military and civil

Dr John Tumsda pe Sanitary Commissioner for Bouluy

In matters relating to the public bealth to keep constant watch upon the samtary condition of the people, European and Native and

of the districts generally (6) To recover the morthly from various causes and as the details which male up the sun tary requirements of a district are each and all

of them important factors in connection with the death-rate of the u.ca, to note everything which, for good or ill can affect that death inte

(c) To report and advise upon the prevention and unitgrition of epidemics, and upon the curses, prevalence and prevention of the more ordinary discuses

(d) To exercise a general supervision in sanitary in titers and sanitary improvements generally,

as well in contonments as in towns and villages, and to obtain information upon such matters as are engaging the attention of local authorities and of such schemes as are contemplated

engraph the accuracy of our metal interview and to seed scenarios as an extension price.

(d) To entire all projects for varies supply of populous forms and camps from all sources, whether for 11 gation or for general purposes, and whether undertaken by Government or by others outling independently or under Government

(f) To extrinse all drawings accuracy, whether for extended areas or for municipalities, forms and cantonments

(e) To examine all plans of multiny buildings for the accommodation of twoops all hospitals, lunat c asylums, tails, churches and other public buildings of importance for which standard plans do not exist, and to report on them as regards site, aspect, water supply, dramage, ventilation and general

design:

(i) To advise on all sites for stations permanent or temporary, for bravels, hospitals and then outbuildings, for braves and then occase es, for offensive tricks, places for the disposal of the dead nor un the mandetick neighborhood of early stations or multipart contonments, simplified yards, latinate by stalls and ends i.e., and pilgram execum ments.

(i) As acquaris conservancy to advise pion of the general arrangements for the collection and disposal of surface ratios and house servers.

(j) To examine committee proceedings and reports on sanitary matters, and to see projects and plans relative to such matters before action upon them be taken, and before actual north has com-

menced (i) When inspecting a munic pal town, to note in detail all sanitary defects in drainage, watersupply conservincy &c, to draw up a brief report pointing them out, indicating the dangers peculiar to locality and position, stating what improvements are most argently required and how they may best be eur ed or t

(1) To report to Government how far suggestions made have been adopted, and the character of the work done

(i) To tabulate the district returns of runtau unit was now were some form.

(a) To supervise and curry out the administration and executive duties connected with vaccination (c) To unalyse all samples of water forwarded for examination, and, as far as 1 ossible, to conduct

local malyses (p) To preprie and submit an annual report dealing with the vital statistics of the presidency, showing in prescribed forms the britis and the deaths from various causes, more especially from cholers, small pay, fevers, howel compluints and accident or violence, showing also the details of accommation, and of sanitary words, cut I and multitary and reviewing the events of the year in their relation to the public health, and to sunitation generally

I leatenant-Colouel D B Young Officiat up Controller of Mintary Accounts Bomb. v (Controller's Office.)

Questions and references regarding pay and allowances of the army, staff and departments under the multary department Dute persons and g stantes to the army and evil establishments

of mulitary offices and departments

D to fands-military, medical and Indian service family.

Ditto prize moneys
Dutto establishments, additions and alterations in questions and references regarding passage and passage money

Ditto fravellu g expenses

Questions and references regarding commissariat errices, stores and supplies

Ditto ordannee Ditio medical Ditto barrack ditto delto Ditto clothing ditte

Dilto stationery supplies to military officers and departments

Ditto all proposals involving mercased expenditure of each or stores Ditto contangent expenses of all descriptions

Ditto cantonments, grants in aid to Preparation of the annual budget and the prelumnary revised and regular estimates for initiary

services and supplies Ditto of the explanatory statement of differences between budget and actuals

Ditto monthly statement of additions and alterations of establishments

Ditto all other estimates and st. tements called for by superior authority connected with military operations, or cost of particular arms of the service, departments, &c., for back periods, &c., &c.

Major W Perrom I Pay Department, Bemisay Drammer I -- Pry and Indian allowances, British pry, staff and command, office and contract allowances, furleugh, pay and leave allowances, compensation for losses and rations, donation, botta, price money, messing contributions, detention, mess, monstee, outlit, interpreters, writnesses, damased officers, and family substates allowers antionated of five and family substates allowers antionated of five communication of the communication of

followers unattached lists and medical subordinates of the European and Native army army staff and

commands, departmental officers combatant and medical warrant officers, office establishment

II -Sea passage and presage money to commissioned officers from port to post in India, and to commusioned and warrant officers to Europe

III -Sea passages to Europe for unvitached list non commissioned officers and individual noncommissioned officers soldiers and families of British regiments, inland dil, travelling ex penses of commissioned officers and warrant officers, unlerge to all ranks entitled thereto IV —Colonel's allowances, pensions and gratuates to European commissioned officers of the

Colonic's unor united pensions and graduates of modern domain, followers of British and Indiana erroy narranot efficiers. Native troops, enhated followers, followers of British and Native troops, family pensions, Native troops and followers, pensions to members of office establishments under the uncoveranted service card pension code rules

 V — Funlough pay, British pay, arrens of pay and Indua Monaces, detention ollowings,
passage and passage money claims of commissioned officers without officers and unattached but non-commissioned officers of the Bengal and Madias presidences proceeding to Europe we Kurrachee and Bombay

" B Young Milstery

The three pension pay offices, which me respectively in charge of-

(Pension Paymester's Office)

The three persons pay owners, wares the assessment presendency paymenter, the person paymenter, Fonsa cords, and the person paymenter, Southern Krutken, pay all persons multitry and arriv which are provided for in grunts 15 and 20 of the multitry beiget-estimatis, and tender necessate of the respective payments that the person the lander estimates for their respective. their payments to the pay examiner. They also propose the budget estimates for their respective

circles, and a statistical return of pensions annually, which is required by the accountant-general, military department. The pension paymaster, Poons circle, also furnishes a quarterly return of Duropens personers residing and drawing their possess in this presidency for trusmission to the Secretary of State

Mayor M A Rowin deen Frams nor of Comm sear at, Cletinag and Barrack Accounts Bomiss

(1) Those connected with the audit of accounts of the commissariat department

(2) Phose connected with the nudit of accounts of the clothing depritment

(3) These connected with the audit of accounts of the burrack contangencies

(4) The first embraces charges for provisioning troops, exercise for troops and individuals, Furg-pean and Native and stores of all departments whether multiray evul or other by land and and sen, commissarint subordulate establishments and all other miscellaneous supplies by the commissarint department

(5) The second embraces charges connected with the clothing of the army, European and Native, and necessaries for the former (6) The third embraces charges for conservancy establishments for Native troops, and for those

cantouments to which grunts-in aid are allowed by the State for punkahs and tatties in barracks and hospitals, &c

The required list is appended -

Lambert W. R. L. Anderson Exa a ner of Ordnance Accounts, Bombay

Let of subjects dealt soils in Office of Erassiner of Ordeance Accounts, Poons, as very red by genetical 1 of Army Organ school Commission The audit of indents of ordnance and ratherly stores and equipments, melading the preparation of bills for hire of tents, stores drawn on payment, lock, &c , &c , and their due adjustment

The examination and disposed of stone returns from arsenals, depôts and factories, from corps and army officers and from burrack masters including the adjustment of sums realized by public sales of stores or for stores lost or dunaged through eurolessness, also adjustments with other departments and Governments

The examination of reports from userals, depôts and factories, of expendit ire of materials and labor for manufactures, repans, &c

The serntany of and report on tenders for supplies of stores to usenals depôts and factories The midst of claums for purchases of stores by userals depôts and factories

for exter art frees &c , employed by risenals depots and factories for repairs effected to stores in use with the army &c.

Ditto

on account of the feld practice in the corps of suppose and miners

The check and completion of estimates of, and indenta for ordunace and military stores and equip-

ments required from England by the inspector general of ordinance and magazines.

The disposal of preking accounts, invoces, and survey and other reports in connection with stores. sent out from Luglard

The prepart on of reports when required, and of periodical review statements and general returns connected with above

Medical Store Section

Surgeon Major P S Turnb II Exam nor of Medical Accounts And and examination of medical store actions ancluding that of Bembay entler s branch Votal entron and pricing of the annual stock findings of the medical

store depfit Bombay

Examination and pricing of the annual Home indent of medical stores Completion and pricing of the expenditure of Direpe medical stones for annual estimate Keeping of a register of receipts assues and balances of the medical stone depot, Bombry

Projection of statements of the average cost of three years supplies to charachele dispensaries ovel hosp tals &c for busing their estimates, also annual cost of medical stores supplied to civil

charges for flumoual reports
Propuration of statements for annual review

Pile ug chesificat on and compilation of general store accounts Audit of the annual instrument seturns of military civil, maune and public works departments

Recovery of the value of stores supplied to charatable dispensaries, puriate individuals and Native

Preparation of departmental accounts of other than mulitary charges

Accounts current with other Governments

Preparation of unnual rate schedule Audit and examination of tenders and bills for stores purchased locally and manufactured by piece work

Examination of packing recounts and invoices of medical stores received from England

Co mizzarial Sipply Section

Andri of indents for hospital supplies to multitry hospitals Audit of indents for raticles of d et to Luropean multiny hospitals Audit of d et iells of European multiry hospitals

A edit of dead stock returns and monthly wine expanditive returns of Nature mintary hospitals Compilation monthly, of the computative wine expenditure return of Lutopean and Native

mulitary losp tals Compilation of annual statement showing the cost of dieting patients in the hospitals for Euro-

pean troops

I enterant Colonel D B Young Off cut ag Control v M y Accounts (Accounts Brazel) Bent bay

Account of the nultary receipts and expenditure of the presidency Accounts current with the Home Government and with the civil and milit by departments of other presidencies and provinces

Accounts of the In him troop trusport service Invoices of stores from Lingland

Regimental satings banks

Pamily and miscellaneous remittances of officers and soldiers

Cuptan II Comper Presidency Paymester Bomb y

The subjects dealt with in this office are the issue of pay and allowances to the Bombry army (with the exception e-dinauly of pryments to British regiments) the recovery of Government and office claims, the final settlement of pay of all officers (Bengel Madias and Bomlay) proceeding home and arriving from England, the issuing of cheq es on all authorized treasures, the

rendering of ecounts, and the various correspondence consequent on the same Colonel J Timeker Superintend out Army Clothing Bouley Obtains f om England on indents, clothing materials, soldiers' neces

sames and books Supplies a must clothing to-

the British and Native troops in the Bombay presidency,

the Rajputana aregular corps five in number

the adoption the department that been the above animals of the supplies on prime it subsequently for the supplies on prime it subsequently for the supplies on prime it subsequently for the subsequen teer coms

Supplies believes to regiments and disfits arriving from England

Supplies boots to the Butten t cops of this presidency, wil, when requisite, to troops of all pre sidencies newly arrived from England

Loruards regimental necessaries on their urival from England to the indenting officers

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dusture from dust at visit for deposition of a	D ish troops Late to deep the component of the component		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		V I I Then but I II I I I I I I I I I I I I I I I I	Inspect on by One at In all d y I nel d stableshme Leave Leave Le y ages Li best on	Bn sh troops Ma ve Dn s troops Nat o Royal ar lery sad Ch f B tish troops A o	A STATE OF THE PARTY OF THE PAR	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	
Chair per 2000 Chair	(Amny Root and Rary Plant and Rary Plant and Rary Plant and Rary Plant and Rary Rary Rary Rary Rary Rary Rary Rary					Lung or Le hi p plais Ling or Le hi p plais Ling on the Models Lord and Models Lind of the Models Models Models Models Models Ling of Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling of Ling Ling Ling Ling Ling Ling Ling Ling	B h toops hat or his plant is the plant in the plant is the plant in t	1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1

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Sainter a Sainte		Store tenerate Transfer St. St. St. St. St. St. St. St. St. St.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

Br gadur General G Burrons Quarter Matter-General Bomba) All subjects connected with the sumy as regular movements, quite tening of toops in entoments for cumps unitary shadlings centron ment brades and boundaries, rates for all buildings in contomments, lock hospitals, endomes, suntary measures and conservancy variangs ments for thoops and customments initiary surveys and recommissances

Colonel C. O Mande, Judge Advente General Prova

The subjects dealt with in this department are —

ouris martial, couls of inquiry, courts of requests, courts of
inquest. Also questions relating to military and civil law, which
occasionally arise, and on which a report and opinion is required.

2 Can you make any suggestions towards reducing the amount of clerical labor?

Colonel J 1 Willes, Commissary General Be gal Yes *First*, let the workt department be informed find: it is better for Government to lose a feer amas thin, on principle, to have the money recoved of a unified off differ voluminous correspondence und is a cest in posting, stationary, and blot far in excess of the amount at rescue. Let the depiction be review by all means; but when it is clear that the onlay in recovery will be cet of, all proportion to the unionary than the true better to damnt it at once.

Scorely, I believe \(\) large relations of wol, would follow the division of the present immedity filter of the examiner of commissions accounts in Colonta and by brange codes or such confidence of the tension of the commission
ment, but it detainly would obtain the person pressing necessity for nucreang them

Thirdly, the course now adopted in during with steeders would nave be foliated by a proched

mun with an attentate bornners. The feather, with a comparative statement, we forwarded by excentre commusered officers to departy commusery general, by departy commusery general community

execution of the community of the community general community of the processing a second convergence of one of the tonders for an ideal the benealt, be exemmen note the percenting
lictive or views which the tendant rise beam to cannot charge to tisses of province years of other second control of the processing of the community of the percent of the departy community of the percent of the departy community of the percent control of the contro

tion with Government

Tourilly, it is the barown first for fine computation of tables of cylculations, or for compulations-of
general neighbors, or for suggestions when would materially reduce and; a bonus will be given by

Government The transmit to be in proportion to the value of the computation or suggestion. Diffy

rapsess' roward for a suggestion or computation which saves seen five mannels would meeting of a large

number of offices as well knot one, such as thrested is alongly through any for what of encounters

of their intervals, and the present its largely through any for what of encounters

of their intervals of any experience, which at present is largely through any for what of encounters

ment to turn it to present we. Under this head it will not be out of plue is hring to notice the disadvantages under which the department behow for want of a code and a verybulty, of commisseriest supplies. Apart from, the measurement of heing without there was for reference, much time is look in searching for orders or procedure through notes for what nodd be found at once in a code.

results will follow their recommendations

Major General & Campbell Offic ating Enspecter General of Ordernes and Magnines Bit gal I can make none beyond these which the adoption of the system of presenting indiant, some and delayer prospits estimate requisations to, imposed by the special committee on ordance, 1877 78, will this mixtly involve. There is no doubt but their, as son as the printed heligens and forms which make fall spaken will be brought into use, the maint of cleared labor will decrease, but the introduction of the union state of cleared labor will decrease, but the introduction of the significant of the state of the printed laboratory that time. At present 1 paint on any to desent the amount of cleared labor. The substitution of some none effective makes the present indiancy deportment, for the lowest pulsary deportment, and the lowest pulsary deportment of the

5 recon Screen I H Ker Innes British Med Lai Department, at 1 Princ pal Vied cal Office. British Peros in Lodin. Great meconcumence is already crused by much of the essential routine work of an office having either to be dispensed with altogether, or carried out only in an imperfect way, oring to in undequate establighment, as for example, the retention in many cases of short abstructs

only instead of regular transcripts of important documents leaving the office in original, the correction of the various regulations whole crused to delay crusted on, &c, &c.
The inadequacy of the present establishment to cope with the great increase of, well in this office.

during the past few years will be considered in due course, when the reconstitution of the cines on the

reorganization of the medical services will be taken up

S rgron General J P Beatson, Indus Medical Service Bengal,

A great deal depends on the unlavalual character of the head of the office. Has were of ficial solutions near processints extreme case, see the marches receive each plants and fame us graver cases the argament being that the vary moment can anorganisely memorated as may never the May stone of a whole despatch. Some will not vileve only original to leave their effect, but invertibly freasment copies. Others are more report in their method of treasvoing insumers, by pressure orders at once and keeping the originals received in

It seems strange that copyring-process or no set more commonally in use. Every merchant's office is supplied with them, and in the public offices much tune, labor and paper would be concentred in only they were comfact to their gat leves, tree for stant a record of these documents of the ought to be preserved but of which probably not one in tenety we seek called my garm. Fost-carried in a fifted with ought the to prome commonal. It should be recombed that there can interest which nouth be affected by reducing clernel bluer. Por some time vary clampes nould be recombed. It have often to their ta letter which has to be capited ton times, one to each doppity suggestion greater.

Dr J M Connglasta San tary Commeso e C the Government of I that. No The elencal lal or is already reduced as far as possible. The general branch of the office consists of only three cloths.

Colonel T B Harrison Control ler of Mil lary Accounts, Bengal

The owl of the degatiness has measured very much of the year out I fem times as no position means of selecting the nontrivid calculabless until all the second affects are concentrated in one building, so as to edited by persual consumeration between time. At present, in consequence of the offices being bonted in different buildings at onsiderable distances one from the obstic communication in this emploist mattern has to be caused on in writing, establing not only much eleved labby, but delay in the conducted the second

Major O. R. Nowmard Ar countset General Mil tary Dopart This is a point which constantly engages attention in the course of current work, but I have no general suggestions to often at present

Colonel B Walter Super at d ent a d Agent Army Clothang Benged

No, I regard I cannot make any Where this was possible it has been done already and to too great an extent. The result is that this department is underhanded

Color el J K Couper Durector of Army Rea anat Operat or s

No, I cannot

J H B Hallen Psq General Superarter leat of Harne Beeding Operat cus Considering it a subject that have to be dealt with in this depart mont, so it limits in it has assessing separate both or on the suggested Indiced requests from the assessing separate both her a breeding operators, Kunjin, have been council to recommend that mothes closs, should be allowed in a lossifies on accounted the pressure of not. It was here been, some the mangarating of this department, to telescoclused like the ammun in

Major General Sir P S Laureden E C 8 O 8 1 Adjutant General un In las With our present system of urmy work, which centralizes everything at head quarters, I am quite extrafted that any reluction of establishment would seasonally upper efficiency. Indeed this line been proved during the 1rts pressure sensed by field operations, when the circle bed to well by me left, before and after regime foil to lones, often on to well by me and the following the me present the temperature of the proper peculiar memory duty to me present after the committee of the proper peculiar memory duty to make the committee of the proper peculiar memory duty to the proper peculiar memory of the proper peculiar memory of the proper peculiar memory and the property of the control peculiar could be present preference to consensate at nother and by realignation of head protest departments under one root, by which (speat from any other condendation) much dipulsation of work two-old delayment.

Colonel C C Johnson Offerning Q n to Van er Gereral as India, Whenever possible, typographic and hithographic presses are utilized to sate labor

Much elected labor might be said if the army head quarters offices were all under one roof at Simla

Colonel A. H. Murry Deputy No., 10 And to t General, Royal Artillary arranges and in Ind.

No, not under the present organization of the three presidential armses and as the work is now carried on

If decentralisation is earned out, and India divided into anny-corps encles then I would hope to see a portion of the details, which now have necessarily to be dealt with in this office, removed

Assuming that to each army corps encle a commanding officer of royal utility with the rule of luggiding general would be ora settled, all the promotions of non examinational officers above the rule of corport, which has have be be certified at a filter officer, small be curred out in the encle by branches, if, horse, field and generate unbling. Minor questions of describine, clothing, force, outputtent, for, would heave be sufficied, as a rule, in the encle supposing of course extended power be given to the general officers commanding such corder, but few model to referred to army head-current.

On the other hand the correspondence which now twice place between the deputy requirint general toy of artillery. Hence Generals, and the communities in clark, Madres and Rombry, would, even the communities in clark of it the many precisioners adolated, moceasity be sust to this office, and which would be the obtained of communication between the general officers communiting many corps coulest in latitud mit dealers found no matching relationship to the contraction of the strength of the state

In this case the abolition of the assistant adjutant generals, toyal smallery of Madras and Bombay, would follow as matter of course, and I automate that my office, which is at present overtrand, would be somewhat schered

Every endeavour by using printed forms of memoriand and letters for communications of a similar naturo, &c, has been made to addice element labor to a minimum.

Colonel I Toung Isigo Adra unto-General Benyal No, this has been already attended to

F F Coll as Pag Prantipal Ve termory Surgeon Bengal Ar ny Mone, there is in ununit tendency to increase, and will tend still more so if the transport and commissant innurals come under depart mental super 1980s

Mijor A S Henter p.2 Dir of Guzzien Instruct on in Indea Valor H 7 Hallower Inspec toe of Gymens a in I dan I do not think it is possible to reduce the amount of element labor.

The element labor is not great but it cannot well be in any may

Major F W Dues Saper a tea lest lintish Army © lecols reduced 1 curnet

Mayor F H Mare) Super stend That ont has a Ana videl cold Unabella have harmed

That official post cards be introduced, authorizing post-cards as not less respectful than, and in this sense on a par with, telegrams.

The only information received from regiments is—

One quarterly return with the school-master's explanatory report

One annual return of the swallest kind, one has of totals abstracted from other registers

These me made out by the school-masters
No reduction is possible with regard to efficiency

C. Ion I.P. A. Morre Acting Comm savry Gen rul Madrae No processor is passive with legal to electory?

The morses of courspondence and elemal labor in all offices triess clerify from two curses: fast, the greater speed, by mans of rubwar and element, which look cleromization is now carned on, and, second, the containbration of depotaments requiring references to be made to lard extract an ealignest of amount spectrose, and the torto disctant of ellies of central, eithing for explanations, attrements and returns, and the endone of containent stell in tribing all power from holds of departments, and requiring faithing matters to be submitted for its deasons. As a materiace, 1 reposal proceedings of Government, No. 1206, dated 37th April 1874, from which it will be reen that the commonstrapent of Rangal and the controller of minings recentive land matter of the second of the controller of minings and the land to the controller of the mining and the land to the controller of the mining and the land to other the seasons of the Concentration of the Occurrence of Indian and the land the land the land to the land to the land the land the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land to the land the land to

Extract from the Proceedings of the Government of Madens in the Milstory Department, No. 1298, dated 27th April 1874

Read the following -

No 834, Juied Fort William, 17th April 1874

From-Carran O R NEWHARCH, Assistant Sees to the Govt of India, Mily Dept. To-The Controller of Mulitary Accounts In returning the enclosures of your letter No 152, duted 6th April 1874 reporting that

you have assued instructions for the admission of the charge for making 146 country blankets assued for the use of the men attached to the Landser depot during the winter of 1872 73, I am directed * A leved array purched in the center of the Mealet, the edges being even up the edges being even up

blankets assed for temporary use during exceptionally cold weather

No 836

Copy of the above and of that to which it is a reply, and of its endosures forwarded to the Secretary to Government, Fort Saint George, Military Department, for the information of the Right Hon ble the Governor in Council

No 152, dated Calcutta, 6th April 1871

From-Colonel F D Aramson, Controller of Mulitary Accounts,

To-The Secretary to the Government of Lady, Military Department I have the honor to forward herewith, in engineal, for the consideration and orders of Govern-

ment, letter No 2146 dated the 25th March 1874,* from the commissary general, representing the * With a decree necessity for marking new birmlets issued as extres to troops, in order to present their being exchanged by the men for then old ones and to state that I think it is very describle that the bland of should

he murked, and there seems to be no objection to mask them us the munner proposed by the com museary general, siz, to have a broad arrow punched as the conner of the blanket, the edges being sew up

2 I beg to report, for the approval of Government that I have instructed the examiner of commissariat accounts to admit the charge of Rs 8 12 for marking 146 country blankets, issued for

the use of the mon attached to the Landour depôt during the winter of 1872-73 8 The return of the commissity general s letter and its annexure is requested.

No 2146, dated Fort William, 25th March 1874 Trom-Colonel J I Willes, Commissary General,

To-The Controller of Mulitary Accounts

I have the home to attach a certificate by the officer commending Landour depot that 146 barrack blankets supplied by this department as extra issues were marked to prevent their being ex-

changed, and that the marking was essentially necessary
2 The cost of marking the blankets, Rs 8-12, has been retrenched by the examiner of com-

missimat occounts in the absence of any authority for the measure

3 The retrenchment is correct, but to present new blankets issued as extris being exchanged by the men for their old ones, the step taken by the excentive commissional officer was adventile and I trust, under the enguinstances, that the expense measured will be admitted, and to this effect I solicit that intumation be sent to the examiner 4 I would also propose that Government may be moved to sanction the marking of harrick

blankets supplied as extra issues as a general practice, as, doubtless, it would prevent exchanges by the men, which might not otherwise he detected

5 To make the manking undown and to prepent matrices, a level arrow might be punched on

the corner of the blanket, the edges being sean up, should they fray

Certified that the commissional department, Landour supplied one hundred and forty six country blankets for the use of the men standard to the Landour deput during the pist winter. These blant ets were marked by the commissionat to prevent them being exchanged, which was considered essentially necessary

JOHN ANGELS, Color el, R A, Conneanding Landot r DepQt

The 16th June 1878

ORDER TREEDOM by the Government of Madris Communicated to the commissors-general and the controller of muldary accounts

Col.S. H. E. Channer in charge No The establishment of this office has been so much reduced, that Ordnance Department, Madeus it is only by extra attendance of the clorks that the work can be kept any thing like current

(1248)

Surgeon General C A Gordon M.D OB Prime pal Medical Officer Brit sh Forces Madria

None, except that administrative medical officers of circles might be made solely responsible for all indents for eforce, &c , passed by them
At present such indents require the sanction of the lead of the department, and necessarily entail a good deal of work in his office. It is, however, questionable whether the transfer of responsibility above referred to is desirable.

Dr H R Oswald Acting Sur geon General, Ind an Medical Ser vice, Madras

There are only three copyists on this establishment and the introduc-

Dr W H W Corn sli FRGS S. mtary Comm ss oper for Madris Colonel J W R deout, Centraller of Military Accounts Medica

tion of a punting or of a copying machine will not be attended with any financial saying No

Pay Examiner Madens

I cannot recommend any reduction. In the controller's office, the nantity of work depends very much on what amanates from other departments At present the hands have generally to nork extra time

Eram ner of Comm stamat, Cloth ung and Stud Accounts Madros

The elerical work has been reduced to a minimum. I am not able to suggest my further reduction Fide proceedings of Government,* No 2996, dated 12th Septem-

Prammer of Ordnance Accounts

The clerical labor has it appears to me, been reduced to a minimum, by the introduction of suitable forms. I can suggest no further reduction On this subject I would refer to letter from the controller of military accounts dated 13th August 1874, recorded in proceedings of Government No 2996 of the 12th September 1874

This subject has been lately considered, it is believed, by the special

ordnance committee, and it is not yet I nown whether their suggestions will increase or otherwise the clerical labors of the office which are at present almost herond its strength—indeed so much so that long con tinued periods of working extra hours ful to overlake the work

Examiner of Medical Accounts Madraa Exam nor of Medical Fund Accounts Madras I do not consider that my reduction can be made I do not consider any reduction possible

lea 1874

Examiner Madrie Military Pur de Accounts Madron Military Accounts Department Accounts Bru ch Madras

I do not consider it possible to make any reduction It is understood that in other presidencies, deposits and withdrawals

from the Government savings banks are excluded from the military accounts If this was done in this presidency, it would afford a slight relief, but not sufficient to warrant in alteration in the mosent estab people, not not sufficient to written in accession in the present senso heliament who he now supplemented by an extre establishment same though for the purpose of working up arrears of inter-departments, home, and book adjustments the first from 1860 68, the second from 1864 65, and the last from 1801 69

Pres dency Pay Office Madras

The establishment of clerks was reduced on the 1st April 1879 to the smallest possible number computable with efficiency Every possible means to reduce the amount of clerical labor have

L'enterant Celond A Searle S par teniant a 1 Apent, Army Clothu g Madras

been adopted, and I can male no suggestion towards further reducing

Bromil or Ge eral F W Jobb

No I am informed that Brigadier General Stewart when he No 1 am internet three prepare vowers sever a water as entered office thought of into being copying presses am for to those in use at the Horse Grunds lint found it opinative sheety obtaining here was the better plant as, by a may bounding the original direct letters for office accord which show at a gionee the unit is of the officer who passed the draft and any cor cet ous that were necessary, besides quoting references on the subject of the paper, the fan for desprich being the only copy made

Mayor John Eu og Official og Onarter V ster General Ma kus

No this subject has received attention so recently as in 1878, and elerical Liber has been address to a minim in

Colonel G P B Sterrel Julge Advente Ge rat Madras

Reports on apphentions for courts martial and all other papers submitted for the orders or information of the commander in chief might occusionally be dispensed with the pupers being submitted and orders received in person and by word of mouth. There is a great deal of correspondence between the urmy head quuters dejutiments. This might be reduced if all the departments were located in one huilding under one nominal head called the head-quarters staff office when orders could be obtained and interchange I on the spot. It would save time and clearers labor and admit of a reduction in the number of staff officers' resistants and clerks, stationery &c.

Londensus Colonel W. W. W.1 hamphly Acting Comm story Gen craf, Ron bay

Tide remarks on commissional routine by Colonel P P Mignon, the commercing general Bambay wany, now on furleugh, and which contain valerble suggestions in regard to reduction and simplification Aron 30

This subject has had Colonel Mingoon's titientom for some time part but the notes have been only recently received our, 12th Augustinetims, were maked forwarded by Colonel Mingoon from Aden whilst on his royage home. The remarks are drawn up for the consideration of the committee ordered to meet at Calcutta in last October, (G. R. G. I. No. 923 S., 27th May 1878) to enquire into the practical lity of simplifying the work of the commission of department in India, the resembly of which are deferred and whole will probably meet this cold event better the present seems a suitable opportunity of bringing. Colonel Migrand's sums prominently under notice, as from his long experience of the department, both in posec and war, his opinions cannot fail to every weight

Major Go end W S Hatch Inspector General of Ordence and Magazines Hembay

The mireduction of a large number of printed forms has been recommended by the special commission on ordinance the use of which will, I hope, allow of the reduction of the office establishment, but until the system has been tried for some time, no definite opinion as to the extent of the reduction possible can be given, especially as the forms have not yet reached me

Deputy Surgeon General J M. S Fegg Offic along Surgeon General, British Force Hombay Gruceal Indust Medical Depart-ment Bombay

The establishment of station hospitals would certainly diminish the element Inhor The correspondence has to be carried on with, and references answered from, ill the deputacents of the secretariat from all the brade of departments under Government, from the officers subordinate to the department. In departmental matters no correspondence save what is absolutely necessary as encouraged. With regard to the secretarist

De John Lamelaine Sautury Commissio to Bombay

and other departments, no suggestions for reduction can be offered Nearly all the element labor consists in collecting, compiling, and tabulating the various returns which, from time to time, have been ordered by Government, and as long as those returns are required, so long must provision be made to exhibit their results. The forms dealth

with are shown in Appendix A, and a careety examenation of them will serve to show that their elaboration demands constant and outcomes show There is also a great deal of routine correspondence connected with them, and in addition there is the second of promphetors changes of stations, firloughs, abstracts, and avisions for all the subordenate establishments. So for from being able to singest any reduction in the effice work, the difficulty is to keep proc with the increasing increase of returns reports and miscellaneous correspondence. In 1870 the moved and outward numbers were respectively 1,018 and 941, and now the annual means are 5,573 and 2,524 (see Appendix B)

APPENDIX A

Sanitary Department Forits

Statement of forms in se is the Sautery Department, Bombay

the year 18

Appnel No I -Burths registered in the districts of the during the year 18

Annual No II - Deaths registered in the districts of the during the year 18 Annual No III - Deaths regustered in the districts of the

during each month of Annual No IV -Deaths registered according to age in the districts of the during

the year 18 Annual No V -Deaths reg stered recording to classes in the districts of the during the year 18 Annual No VI - Derths registered from different causes in the districts and towns of the

during the year 18
Annual No VII - Deaths registered from cholers in the districts of the daring

each month of the year 18
Annual No VIII.—Deaths regretered from small pas in the districts of the dunng each month of the year 18

Annual No IX -Deaths registered from forer in the districts of the during each

month of the year 18
Annual No X —Denths registered from wood-complaints in the districts of the

during each month of the year 18
Monthly No XI -Register of births and deaths in the collectorate for the month 18

Monthly No XII -Return of the deputy sandary commissioner registration district of places in-spected during the months of 18
Monthly No XIII (Reights)—Return showing the extent of cholers in the yel at during 18

Weekly No XIV (English) -Chelera report of the collectorate, for the week enl-

collec Annual No XVI (English) -Statement showing the sandary improvements carried out in the collectorate during the year 18

Monthly No AVII (Laghsh) -Statement showing position of sub soil water at the above hospital for the month of 18

mappear or the necessary of the Monthly No. AVIII (Inglish) —Striement showing the extent of cholors in the Bombay Presidency during the month of 18 18 Monthly No. ALX —Register of buttles and deaths in the Bombay presidency for the month of 18 .

Faccination Ports

Annual No I (English) - Statement showing particulars of vaccination in the during the year

Annual No II (English) -Statement showing the cost of the department in the

during the year 18
Annual No III (English) —Statement showing dispensity vaccination in the

dunng the jour Annual No IV (English) —Computative statement showing the number of persons primarily vaccinated and the number of those persons who were successfully vaccin tid in each of the under

vaccinated that the minimate the persons may be executed the persons are mentioned edited years mentioned edited years and the persons are the monthly performed an engited on a stonet during the year 18

Annul No VI (Degl sh.)—Si stements showing results of the year 18, as compared with there of each of the previous five years in the largesteric on distinct Annual No VI (Laglish).—Summary of the draines of the dequive santiary commissioner and impostor of sautat on and secondary.

The provided Health of the previous five dequive santiary commissioner and impostor of sautat on and secondary.

The provided Health of the previous five samples and the prev

Annual No VIII - Descriptive soil of a candidate recommended for employment in the sanitary

department

timent registration district
Monthly No IX (English) —Return of recentation by the deputy continue commissioner of regretration district for the month of the 18 due on the 15th , No 18 (station) αf date

No X -Return showing the particulars as regards the protection and non protection in the cases of small pox ulso ages of the persons attacked by small pox, the number of cases, and deaths in each

Monthly No XI (Luglish) —Drary showing the inspections of children in villages by the deputy tary commissioner registration district, for the month of 18 sanitary commissioner

Annual No VIII—Return of establishment of the deputy contary commissioner

Annual No List Assessment of the year 18

Monthly No XIV (Laghet) — Vaccuration rotum for the month of 18, in the Monthly No XIV (Laghet) — Vaccuration rotum for the month of 18 and the collectorate of though the operations of all vaccurations at these properties.

cates manapol, and contenment, and also the racence operations at dispensaries

Monthly No XV (Inglish) - Return of presons racemated in

d (etwin) d dated 18 during the month

No XXVII (English) — Letter to treasury off cas statement showing the extent of cholera m the Return showing the extent of cholers in the cantonment of dunne

I ADDITED THE TO

Statement showing for n ne years the samual number of inword as do out ward recogns and as es n tho I end que ters office of the San tary Comm as over for the Go ermnent of Bombay

UNIV D		
	In rard No	Orthord No
	2.038	941
		2.158
		2,494
	6,323	2 801
	8,011	2,347
	0.460	2,982
	5,950	8 033
	7 757	2,908
	6,101	8,055
Meus	5.573	2,524
	;	In rad No. 1 013 1,929 5 501 6,323 6,011 7,460 5,500 7 757 6,101

L entenant Colonel D B he my Offic uting Controller of Wiltery Accounts Bomba (Controller's Office)

Major W Perres Is Tay D portment, Bombay Tester nor

Lecatement Colored D B Non g Officent ng Controller of Mil tary Accounts Borning (Penson Paymester s Office)

The present mode of worling leaves no room for any change likely to be attended with a material saving in clerical liber. Every opportunity is taken to reduce it in the performance of the daily work in its several details No, neither in the system of audit, forms of account, nor in the mund and outward correspondence

This subject was fully gone into then the separate appointment of

ponsion prymaster, presidency errele, was abolished last year, and the office placed under the assistant presidency paymaster. Every feasible

reduction in clerical labor was thou made, and the effice establishments remodelled, to suit the actual requirements at a syring of Rs. 10 Tas per remonal. No suggrestions likely to lead to any further material reluction in elemental labor can be made at the present time.

Major M. t. Ros landson Eru m or of Comm were t Clatting and Barrack Accounty, Hombay (1) Suggestees on the point have strendy been made for the considentics of General and India to Suddandors of the commission appointed by the Government of India (17th 167th Government Revolution No 278s, dated 8th June

1878)
(2) The commercian, it is behaved, will shortly recentle when the subject in dealet will be theroughly enquired into. All relactions of clerical labor which are fersible without the caretino of Government are strays made as soon as they become possible.

Localement W R L Anderson Evan er of Orleance Accounts Bumbay I cannot see my way to making any suggestions for saving elerical below at present. Not long ago Colonel Loung, when in charge, went fully into the matter, and made every possible adjaction

Surgeon Vajor P S Termball MD Eram ner of Medical Actounts But bay

No reduction in the amount of clered blow is, I believe, possible The aperions of the Bonday medical state department has been gratily extended of Irla years, not merely in the number of charges applied, but in the numbers of charges applied, but in the numbers of well in the other without challed means, and this menuses in heley to continue in the future in even a grazater degree finan in the yet.

Leutenant-Colonel D B Loung Off cating Controller of Mintary Accounts Bennehly (Accounts Bennehly Reduction in clerical labor has lately been made as follows — Copies of voichers to accounts current discontinued Copies of memorands form valuing forms, discontinued

Indexing cash accounts, accounts current, and other returns, dis-

Captam H Cowper Presidency Paymaster Bunkay

The reduction of clemed labor in this office has been so much kept in new of late years that, weder the existing system, there is, in my opinion, no unnecessary detail in the work

Colon I J Thacker Supermies of Army Clothing Bossbay No unaccessive cleared labor is carefully granded agrand, and printed forms are used to the atmost printerful extent. This question has been apendately considered and the contriction has been arrived at that no room is left for reduction.

Briga I er Georgel H F Brooks Adjutant Georgel Bengbay

The only way in which element labor in staff offices on he reduced is to assign to every officer in command, whether of a regiment eletion, brigade or division, a reasonable degree of discretionary power, and them to require all to perform their own duties, and accept their

om reponsibilities, and neften form referring the most terrel metters for the decision of higher withouthy. As no mendicultive primar in the solvent-by how in a lock or delicities in visual, by the representate of the pay deportment, which accessible the most trivial matters being must be implied of reference to arrap head quarters. I way includes each fining as the continuation of regimental nodes appointing one officier to every no temporary the dotter of notifier. This motifies allowances should be present to the officers doing the dotter on the commonling officer's certificity, provided of covery bette the set of consolidation of consoled. The necessity for the provided provided is the covery titred intense of consolidations of consoled. The necessity for property weekers for every titred intense of correlations forces officers to necessity for provider covery, and thus measures circuit labor.

Brigader General G Berrows Quarter Master General Bombay It is considered that no improvement can be made in the working of this affice

The electral ward, angels be abgistly reduced by concentrating the communier : Ct of a fillery reducting a bit is december of the community a bit is december of the community and a second community of the system of contract-values formed as

Colonel C O Mande Judge-Advocata General Pouns Juige Advocate General s

The amount of clemical labor cannot, in my opinion, be reduced

3 What is the number of officers employed at head-quarters of your department, and the division of duties entrusted to them?

Colonel J. I. Willer Commissary General Bengal (i) commercing general, (i.e) assatiant to the commercing general (3) deputy commercing general, lower circle, (3) executive commissions distort, Calculate accountry, (4) execution commercinal officer, since and shapping exceptive, (a) generalls one or two probletances becoming their work. Commission general in the fewer-relappor-

(1252) Appendix IV]

vision of the department, deputy commissary general that of the lower circle [Calentia to Allahal al and Jubbalpore and the creentine commission of officers have charge respectively of the Calcutta and store and shipping executives

Major-Ceneral N Camplell Official og laspector General of O duonce and Magaziacs Long 1

By the herd quarters of the ordnonce department, I presume as ment the office with the inspector general of or linance wherever he may be Du ing such time as the Government of India is at Simila, as a rule, the deputy inspector general of ordinance and the assistant to the inspector general of ordinance are left at Calentia. The inspector

general accompanies the Government & Samle. Diring potten of the section of 15 to 15 which was recorded on the representation of my pickeesses in office, who reported that without such aid be could not get through the worl required to be done

At present the assistant to the inspector general is the only officer employed at head quarters To especial divises of that officer me to examine and check indents, proceedings of committees on The expecial natives of it is stored as an interest, and to apport on the results of unual bords on true &c. Paymont tiles are prepared and tolated by the residual unspector-general before being animatid to the inspector good | Any questions referring to the details of enhance unmumbion, and stores which may be required to be drawn up for new armaments are usually prepared by him and in general he gives all the aid to can to the inspector general, occasionally by drafting orders or letters under the inspector general's instructions, and is the medium of communication between the n spector general and commissaries of ordnance

Surgeon Se cral J H Ker In es Be taib Med cal Department and Pr se pel Med cal Othere British orces in Inda

Three commissioned and one warrant officer of the subordinate medical department-all at head quarters, Simla-namely -

1 The surgeon general and principal medical officer

2 The secretary to the surgion general
3 The statistical officer to the surgion general whose duties are

alrea ly indicated by their designations

4 A warmet officer of the rank of a officeary is permanently attached to the office, with a view to afford the department that are in all matters connected with the subordinate medical department and the internal economy of British hospitals, their wolking, supplies, equipment, establishments, &c., which he is specially qualified to render from a long cour c of technical training therein

Surgeon General T P Beatson, Industrial Med cal Service, Bergal.

There are only two officers employed at the head quarters of the Indian mode of department, is the surgeon general and its secretary.

The drawson of duty applicable to the former has itready been defauled in unsue to question 1. In Ir of he is responsible to the Government

and to the comman ker in elief that all duties which are laid down for almin district execution, and eshard orde and eal office a are people is performal He some the

president of the standing medical committee The secretary is the valuence of the surgeon general. He prepares correspondence for final op-mon or orders, he sayerwises the office establishment and by a cordial domainfear correspondence

and it within a contrast the co

Dr J M Canagham San ary Comm sesoner with the Gove mucch of Light

There is only one other officer besides myself and thirt is Dr. Bryton, who is in charge of the strictsteril branch. He receives the retinus of aschess and mortality imang Durpenen troops. Native thoojs and in somes throughout the three presidences and prepared from them the most complobe course of annual statutes which are up. pended to the annual sanitary reports assued from this office

Colonel T B Harrison Con troller of V litary Accounts Be gal

There are twelve gravetted officers employed at the head quarters of the department who are employed as follows -

(1) The controller (2) The assistant controller

(3) Military account in charge accounts branch (4) Primmer, commissional accounts

(5) Lxammer, pay accounts

(6) Second examiner pri accounts
(7) Examiner, ordunace and clothing accounts
(8) Examiner, medical and fund accounts

(9) Assistant examiner, fund accounts

(10) Learnmer, manne recounts

(11) Prymaster (12) Deputy paymuster

Major O R Nov march Account ant General Mahtary Dopa tment Two namely accountant-general and assistant accountant-general No set dustribution of duties is possible, the work of this branch depending einelly on the description and number of cases received

Col B Walton Supif and agent for Am J Clotl og Beogal

This question has no bearing upon the army clothing department.

Colonel T. K. Conpor Director of Ar up Remon. 1 Operations There are no officers at the head-quarters of the department

J H B Hailes E q ('coerd Super nicodent Herst Breeding Operatures There are two assistant supernitendents in the department—one attacend at Happer in the North Western Provinces, and the other at Ablentained in the Ponch. The horse breeding districts of the North-Nestern Envinces and Rypulsan are asperved by the former,

North-Western Provinces and Rappitaton are supervised by the former, and those of the Panjab by the lattice.

Application has been recently made to the Government of India for more assistants, as it is found impossible for the two assistants to substitute to substitute the facility perform the duties of their offices.

Hayer General Sr P S I must dem, KCR-062 Adjutant-General up India I have five officers at head quarters, us ---Deputy adjutant-general

Pirst assistant adjutant general.

Assistant adjutant general
Deputy assistant adjutant general for
must sirv

The lasts of subject headings (query and answer No 1) show the work entransied to these officers

Calcard C. C Jal neon Offic stang Quarter Muster-Gracest in India. $\dot{N}_{\rm ivc},~\epsilon\nu^{\mu},~quarter$ master general, one deputy, one assistant, and two deputy assistants

The quarter master general administers and superintends the whole

department
The deputy and one deputy assistant are at present employed on intelligence branch work

The resistant and the other deputy assistant each conduct the ordnessy work of a coprosite histories of the office. A separate intelligence branch is about to be established having been randomed by the Scoretary of State for India. The staff will

consist of-

1 deputy quarter master general
2 assistant quarter master general or a survey officer

1 deputy assistant quarter master general or a sur 1 deputy assistant quarter master general

Colonal A. H. Murray Deputy Adjute t-General Royal Artifory in Incits. 2 stateded offsets aljustine-general, and a deputy southert adjusted.

Town-a deputy significance and every deals with flow relating to his department, such as possibleness and terractives of non-commensural offsets and man, protected of latterness, returns, and all possibleness and many particles of latterness, returns, and all possibleness and the protected of latterness, returns, and all possibleness and provide support adjustance, generally all wilders of carliers, who disappeared fifteen. He also wropes upon, professional subjects for the nationation of the deputy adjustant-general belong that deliver pass of the proposed of the control of the deputy adjustant-general belong that deliver pass of the proposed of the control of the deputy adjustant-general belong that delivers are passed.

Colonel J Young Judge Ad receits General Bougal before man cludes are passed.

One,—the destrip lading schoolse general, who ful as the patterpal
sizes in yearing and reporting on Dergons and North derivatives
attempt port-sectual and meanity reporter, and upgering quastions for the evenuation of candidates for the department, broske
constained the pulge vidence general with directs on reports on with
excess or may be note over to him. Deretay the denses of the judge
advantage general tatth the constructive such of the parameter
it's Surfay, and replace to references from the Surfay hands of the
adjustant-general colline.

F P Collabs Esq., Prine pall Velerinary Surgeon Bengal Arts 3

of The principal veterinary surgeon only, who has the sole working of the office

Vajor A.S. Honter P.A. Deceter of Gramma Instruction in Ind a I can the only officer employed at the herd quarters of this department

Mayor H T Hallowes, Inspe ton of Cynnanian Inda I am the only officer at the head quarters of my department

Major F W Duna Superiu (erolent B strai Army Schoole The number of officers is two,—the superintendent and the resistant superintendent. The superintendent has the dutes detailed in unsered. It has resistant superintendent as-vest an like other critic region of the general engerorsas), and while the superintendent is when the law term of inspection, that entire designs of the other referring to the superintendent such nations we had does not feel himself authorized to deal with humself.

Major F II March Supdit Antita Army Schools Univilia No other officer is associated with ma

Appendix IV]

Color el R A Meore Acts g Comm ssary General Madans The head quarters office consists of the community general, the deputy commissing general, and one assistant. The office is du whet into several branches, and each office these a contain number made his charge, a may be arranged from tume to time by the commissing general

Colonel S H F Cham er in charge Ordnance Department, Malras Two officers employed at head quarters, m., unspector general and deputy respector-general of ordernee and magnitudes

The mappeler general have general confield and supervision of the department doub personally suit all reports and information required by Government, and with all important documents. All reports, littlers, i.e., prior through the disputy before and mission to the importangencial. The deputy imageder general executes expent supervision one the indent excision of the office. The number of indents, with letters arbeing thereto, received in this office is try erw \$5,532.

Surgeon General C A Gardon MB CR Prin ipol Medical Officer, Berlish Foretz Madria One only, a surgeon maper, who acts as secretary and statistical officer. The dates are as follows, or —

To conduct the routine-work of the office, to supernitend the

stablishment, and to send the suggest general at my my the latter my three the matter of the suggest general in my my the latter my three the matter untractions of the suggest general in evolution in my my the latter my three the matter untractions of the suggest general less expected in dependent of the suggest general set of permitted and extendent returns a my be suggest by the deprehension of other malestate establishment in my be suggested by the deprehension of other malestates that the suggest general set of the department on complete and in good order. In the absence of the suggest, general of Octus mand, or while on aspection or other daily, be holds constant communication with into, and conducts all necessary correspondance with the servent departments, under his separal instructions.

Dr H R Osmild Acting Str geon General Indian Medical bervice, Madres Only one officer, the secretary, who shaves the more important duties with the suppose, general, compiles his share of the name reports to Government, espectives the preparation of all structure and reports to the portage and permotion of modular officers and subordantics, I expa a register of applications for appointments and of subdifferences of medical officers, and executive theories to duly disclosed the surgeon general also holds have responsible for the officers upunded appreciationness of the entire work of the officer

Dr W H W Corn in P265, Sa they Commune ower for Waders Colonel J W Ruleout Controller None

of Mil tary Accounts Madres

Proudoncy Pay Office Madres,

There are eight officers compaising the department in the Madris presidency, and their duties are detailed in the leply to query No 1.

L cutement-Colonel A Searle, S per misselent and Agent Army Clottang, Madras

There is only one piecedency nationator, whose duties are always performed with precedency (some Me has no resultants of any land, either at head quitters or elsewhere.

The duties in this agency are limited to operations within the premises of this department, and the only officer employed in the supernues of this department, and the only officer employed in the super-

Br grd st-General P W Jebb, Adjutant@ snewl Mrdras

intendent and agent

Three-ndjutint-general, deputy adjutant-general, and assistant
adjutint-general. The work of the office is divided into two divisions—
ene til in by the deputy adjutint general, and the other by the reastint
diplutint-general. The assister to question 1.

Major John Burng Offic strag Quarter Casters General, Madras Two-the quarter muster general and deputy quarter mustar general. The quarter muster-general tries up all subjects that have to be submitted to the commander in chief, and excluses a general control over all the work of the offers.

The deputy quarter master general assists the quarter master general math branches of the office cosh, but has more specially to do with those that are generally disposed of deputimentally, such as Nos. 6.7, 9, 11, 12, 13, 14, 15, 16, 17, 18, 24, 36, 31 and 32 of the ruply to question 1

Colonel G P B Slorard Judge Advocate General Malras Only a single officer, the judge advocate general. His duties and responsibilities are not shared or divided, he is always at head quarters

I sentenant Colonel W W W No all by Acts g Comm ssery General Bomlay Two officers, mz, the commissery-general and the deputy commissery general, are employed at the head-quarters of the department

ment
The compassivy general's datases compasse the disposal of all matters
connected with the general administration of the department

Consisted with the general administration of the department of the department of the department of the commissary general is charged with the general intercelon of the work performed in the commissary general edition, and during the obsence of the commissary general contents of the commissary general contents of the commissary general in specially enhanced with the duty of scrittanang results of the department of the department of the department of the department of the department of the department of the department of the department of the department of the department. The depart commissary general of all details which would intended with his performance of the general enhancement of the department. The departy commissary-general also inspects exceeding others when specially deputed by the commissary general.

The arrangement above defailed dates from 1863, and was recommended to Government by Colonel Potanger, c B, then commusary general entriet from whose letter to Government on the subject (No 916, dated 23rd June 1852) is given below —"I consider it to be of much importance support (No 112), there are sent sums 1999) in grown sensor — I consider it in the of these injectives that my neastant should be the officer next in departmental much to myelf with whom I can freely consult when I might heartaft to sect the opinion of a pumor, and that the departy commission, general should at all times be perfectly conternat with current departmental business and correspond to the content of the content pondence "

At the time Colonel Pottinger wrote, a deputy assistant commissary-general was attached to the commissary general's office to rehere him of detail duties, and the deputy commissary general

held the executive charge at the presidency

Major General W. S. Hatch Jaspenter Ge. eral of Ordennos and Magazines, Bombay

Two—the inspector general of ordinate and the deputy in-spector general. The former inspects all arsenals, depots and fuctories, conducts all correspondence with Government, army head-quarters, and the heads of other departments, gives final orders regarding receptance of tenders from contractors and the demands for stores to be made on

the Home Government, examines lists of proposed local purchases, and gives orders regarding them. arranges the distribution of eamy equipmee and seck carriage, and exercises a general supervision over the department

Deputy inspector general examines all indexes, whether from urenals or troops, examines and reports to inspector general on tenders for contracts, committee proceedings on condemned stores, demands from trainals for stores from Bagland and during the respector generals absence on duty superintends the routine work of the department

Deputy Surgeon General J M S Fogo Officiating Surgeon General, British Force Bunkay

(I) One surgeou general

(2) One secretary and statistical officer to the surgeon general (1)—The surgeon-general—
(a) He conducts the organization and administration of the British

medical service, and sees to the medical and commissionat equipments

(i) He has commente with the Government of Bouleay, through the Military Department in matters afficing the sandary condition of British troops in confounces and borred's &c

In the correspondence and reports on epidemics and prevailing diseases submitted through the

Secretary of State from the army sandary commission

In all matters of finance affecting the Backsh medical service, of both personnel and a stenet (c) He is under the eigers of the commander in chief in matters of discipline affecting the

medical officers. He is the referree on medical points connected with the adjutant-general and on iter master

general's departments (d) Ho is in frequent correspondence with the commissing general of the army, in motions

affecting the food of the troops in barriels and hospitals, equipments, &c , &c

(a) His has also to correspond with the director general of the army medical department at home with reference to the medical effects, and to see to the preparation of the periodical reports and returns required by regulation (f) And he has the superintendence, with the deputy surgeon general in Bombay, of the embarkation and disembark then from the troopshaps in the season of all thoops and invalids arriving

m and leaving India

(2)—We corretary—
(a) He las the superintendence of the office establishment of the surgeon general

(b) Conducts correspondence (e) Examines statistical actures

(d) Writes the various metheal and saminay reports

Dr W C Hunter, Surgeon General I dian Medical Dojari mosé Begibay

One administrative officer in charge of the presidency division. He inspects and supervises all the hospitals, earl and initiary, and mneme, and despensance in the division, and is president of standing medical committee

De John Lemisch e Saustary Commissioner Bombay

The same vey commensures is the only officer at head quarters, and he has the sole direction of the duties of the department. There is an assistant, not a gazetted officer, who supervises the routine duties of the office. He sends bud returns for extrection when the sampley commensioner is on tom, and expedites their transmission and re-transmission, escalates departmental papers, &c., &c. There is also a traveling analyst, on assistant surgeon, who norks both at head-

quarters and in the districts L'entenant-Colonel D B Toung Officiating Controller of M I tray Accounts Bombay (Controller's Sex officers-

One examiner of pay and pension charges One emissiner, commissionat and clothing accounts, and burnel confugent charges

One examiner of ordinance and burned, stores accounts

One examiner of medical stores accounts and in charge of funds allien

One in charge of accounts branch of controller's office One assistant pay examine

Vajor W. Petrone, Entenner, Paj Dopartment, Bunkay

One commessioned officer, the examiner, pay department who is responsible for the correct working of the office. There is also a guzetted uncoverented assistant examiner who supervises the work of redit and correspondence, reports and references in the Native troops hunch of the office

Appendix IV

C pia n H Comper Pres dency Pay Master Bombay

The presidency payments who makes all multirary payments to office a other it in those serving a ment ity and to stiff in a departments of this presidency also to offices &c of other presidences

passing this gli Bonlay Pressing and a relation payments who assists the promiser gene by and in right or pays all resonant depressioney conton pay encle p oviled for in g auts 18 ad 20 of the mil ta y bu leet

Colone J Th eler Super miced e t Arpy Coth g Bouley

The supermitendent is the only office employed in the department and he say enatends the v orling of all branches

adjuta t gener 1 deputy aljutant general assistant B gales Gener l H T B col e bit t nt Go I Mumbay ada itu i ger er l assatant i upatant-pener l vov i her

The adjusting one altries the general super som of the depart ment, and personally conducts all special correspondence (in addition to

the s livest apport any to A lianch to toply to quest on I).

The dopity adjutant-general his charge of the duties of B and D (Records) lianch is addit on to the cor est ordence connected with a my appointments and with the fution, h and sets o

ment of officers of the staff corps on I local service

ment of offices of the state carge on (North earlier).

The sestant a finite at general law of ange of C and D france of the royal artillery branch and he also deals with quistions affecting the may be engineers as well as those of forego horses and

dlery and vote may A list of the st bjects disposed of by there officers respect tely will be found in the reply to

q estron 1 B galer (encal C Bu our Q artor Vas er G eml Boub)

One officer the coputy quarter master gene at the deposes of to the matters and these chage of the office in the latter of the factor of the latter of the common later on to be at the presidency with His Lacelleevy the Common later of that

There are no of eas employed at head quarters in this department Colonel C O Maude Judge Advecte General Poens execut the judge advocate , enc al

What are the duties of the assistants of your department not at head quarters ?

Co onel T I Wiles Comm senty Ocaeral Bengal .

In commissional charge of executives mostly one at each of the large stations where the e are Luiopean troops a d exceptionally wiere he em be spried one is issuetant to the executive commissin at officer of a 1 ge exceeding 1 suppose as stant officers are meant

Major Ceneral N Campbel Gifts at g Inspector General of Ordnam e and Magazines Bet gal

The dequity inspector general is the assistant not at head-quarters he means as at this time of the year at Calcutal and this being the period at which ile work is here set in the department the depity imprector general has to supervise the preparation of the budget estimate and of all estimates are time and index to connected with the stock of the dopurtment the electing of ten lers and cont acts the expenditure of th budget grants for labor and material in ordinance establishments andit of unners indents the p eparation of annual statements of stock propor tion of ordnonce and ruseumtion and to check. It bills and estimates,

Surgeor General J H Ear Innes Bert Set Mel al Dep et e f and no gal Modeol Otice Be fait Po ces n Fan

Il e entire office is established at head quarters, Simla, and there are no assistants employed elsewlere

S geon General T P Bentson Instan, Vedi a Sery of E gard

There are none elsewhere

Dr J M Connglan Sa fur Coom sacuer th the Government of India

There is now properly spealing only one such assists t—Surgeon T R Lows They was two unit the other dry when one of dem, Surgeon D D Cus magham was turstered to be professor of player obegy in the Celenti Melleri College As however, Dr Lewis was and settle on furlough Dr. Cumnughum carries of the curent dutied during Dr. Lewis absence. These duties are of a parely scientific of arreter committing of m encoup a and off or of servations on the causes of cholers and other discusses. If the valuable mater at his already been collected by these observers

Colonel T B Harr son Central let of Aul tary Accounts Benga

The ass stants not at head que ters we five in number-Prymasters

 T_{M0} Deputy prymasters Three He forme are entrusted if the duty of maling all military pryments within the range of the several encles the latter are chiefly em: loyed paying milita y pensioners

No officer elevation than at board gas ters

Mass O H Awards Acet Con Mil J Department Colonel B Walten S pdf and Apost Army Clot & Bengul

This question will be answered by the replies to No 9

Call R Cup Dear of Army R mount Opera out

The smer ntendent at Saha unpur n unages the depot illere and a also can leved us remount agent to pu ela e remoin s u the Noth Rest and Pa 1 I districts

The aperante de tat II-app roman restle lepot il ere n d le is also em losed to purel a e emounts. He is best es a me nber er ff o

JHBH.In Fq Gen Superns dan Hwas Brodu On ti toons

of the am unleast ng comm tice

The d tree of the ast mis of the department when not at the result head of ries (II popered thout head) are to specified for error ment st. I one an estands at left deep a located stall ticlo a reed ug dist els uspe tigand andugaj pro el mires i eael d A copy of telor o- reed no operations no of be day time tof the

Instrument is attached for fields of ele ence will regard to the area over The carristance can be tally or one encores the regard to the areas or which the area this large to tail age the the tetrany selects who e had see area of cated of the area of from may a filled it and a standard at the peak age of streets and to attend all must opposite a fact that a standard at the peak age of the standard at the peak age of the standard at the peak age of the standard at the peak age of the p

horse-I us and district lorse shows

M Gueral S P S I was a non call Adjutant General w Ledas A lyss o all sa stant atte med m of comm neat on between la general and office a con manding is ignited and stations and comm and governal and ounce's con name up to grace the stations and command of the and and the state of the the law matter of officer. He is the examption and I per shound full when papers and ear especial earlier a may be all per the constitutions appeared to the all with generals less them thereof is the per the constitution of the

dep ty mage advocate and er resout the me absord stieren. He ecc siron deputy decadvocate the proceed age of tr land ennes out t e general saide sthe con He attends tie go and on p rade and man e tions and a gener by entrusted with the observation of n tiers of dall and dis plac (Q cen s Reg lations section a paragraph (6a)

C on IC C Tolm on Offe to Quarter Man e G a al m India

They we located at the head quartes of dy one and districts and belong to the stuff of the ge end offeers comm ling that lend nich matters connected at and conduct the correspond ne of the diart The t and re requied to mile the med esang a ted with and lot po the topografy sees ees communication nimitizeral lites of their respect e dustruis to runge all detris of a artern g eg yment nd mo ement of topogs and to unspect and r portugion all m htay b lli gs and canto ments

Co A H Morney D pay Alg Gum R. A. alda

There are none

C level T T n Ad cente Gen ral B yas Judgo

Repoting o Happlecations fo courts mail tof ninto er nature for the aformation of the gene al officers ider whom they so a

Revening and sporting on all couts mait al req the con firmation of the ad gene I officers Keeping registers of all talk held n N to regiments that the circles a d f n hing copies of the amount by to the softee for an tuy it esore, ste slov my rum has m de by gene at officers on the deputy judge at coator

Examinat on of monthly cturns of co is mart al furn sled by

Brtsh eg ments

Consider by the procedings of all gene aloo its mall and of Considering the procedings of all gene aloo its mall and of Considering the aloo of control of the principle of the adolf office's with legal that any also of coperal of the office

F F Clas Deq P neap Vet many Surve a Beneral Army

The mspecting vets my su geon only the at Voc tins the adm a strat e ch ge of ha carele under the d rection of the princip l Veterman surgeon

Ma o A S Hente 2 1 D of Garr on Ins per on un Indu

The garr son a structors of an eles have to-

(a) arrange for the forma on of classes at centues

(b) could at the astruction and subsequently assist at the examina tion of the officers attend at the relayers

M to H J Hallowes, Inspecto of Grum see a I du

An unpr d super atendent at Umba in and Lucknew to st per se the do by rout ne of the gar son gymnus um The dites of the three sub-mapeeto are-to travele elithro of lis

M P W D on Sup utend

M IN Design state and large and the three sel magnetor two-lottwate et first of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly the obleve of the commune intrincilly as the obleve of the commune intrincilly the obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune intrincille obleve of the commune interior obleve of the commune interior obleve obleve of the commune interior obleve obleve of the commune interior obleve oble school eports

(1258)

Appendix IV]

Mayor F H. Marsh S pdt. Natus Army Schools, Umbalia

Colonel R. A. Moore Acting Continuesury General Madras

Colo el S II E Clamer a charge Ordmuno Department; Madras Surgeon General C. A. Gordon M.D. C.D. Principal Ved cal Officer Br (ish Lorces Madras

D H R Oswald Acts g Sur geon General I M S Madma

Dr W H W Corn sh PRC# San ta 3 Comman over Median

Colonel T W R dee + Controller Mil tary Accounts Mad us Presidency Pay Office Madras

Let. Col A Scarle Smy lt.

Brigad or General F W Jobb Major John Evig Offenting Quarter Master General Madras

Colonel G P B Sherard Judge Advocate General Modras.

L outenant Colonel M W W Honglly Acting Commissary General Bombay

Presidency Poona

Mhow

24

and their duties are shown in reply 4 (8), paper I

I commissary general I deputy commissuy general 2 assistant commissance general, 1st class

ditto ditto 2nd class 3 deputy assistant commissaries general 1st class ditto ditto 2nd class d sub assistant commissaries general, let class 2nd class

3 ditto driáo 3 ditto drite 3rd class

> Administrative daties Commissary gene al Deputs commissary general

I have no assistants I um allowed Rs 30 per month office allowance only

All other commissariat officers have executive charges, and provide for the wants of the troops in their division or circle

There are no assistants not at head-quarters There are of course, officers in charge of aisenals, factories and depots

at Madras and out-stations One clerk assists the surgeon general at Optacamund He forms part of the off ce establishment sunctioned for the surgeon get eral's office

at Port Sunt George His duties at Ootseamund are solely those of a copying elerl.

There are no assistants other than at head quarters

There are no assistants in my department but the inspector of vac constion sets as deputy synday, commissioner in his tours, reporting results of inspection to me

Nil All assistants are at head quarters

Fide answer to question 3

I have no assistants, as explained in answer 3

No assistants way from head quarters, unless on tour with com-

mander in chief

The ass stants and deputy assistants not at head-quarters corry on all the duties of the department in their divisions and districts under the

order of the general off cers communding. Their duties are of the same

nature as those of the quarter master-general at head quarters as defuled an answer to question 1, except the disposition and relief of troops, which

is arranged at army bend-quarters There are four deputies judge advocate at different stations, u., Rangalore, Madras, Secundarited and Rangeon. Their duties are to

Engelvine, Madries, Seemindurda and Fringeon. Their cities are to doze special officer commanding diverses or districts within their moles on the matter connected with military law and courts martial, to supervise all minor conts mutual matters connected with military law and courts martial, to supervise of time durings for trial by courts-martial unicano to general to give matriadures to proceed courts, for to conduct trials by general courts neartful. They preprie und firmand in hand-quarters office with a morthly return of courts martial micror to general held in their near the proport and lecourts of impury or applications forwarded to vary bead quarters for general courts mutual. If the question refers only to unconcented assistants, there is only one constant who is always the four divisors and as commod for John beautiful. always at head quarters, and is accounted for elsewhere

The assistants deputy assistants and sub-assistants are all em ployed at the executive charges A tabular statement is attached showing the distribution of the commissioned warrant and non commissioned ranks of the department. It will be of ented that two stations-Ahmedangur and Deofah-usually in charge of commissioned officers are now entrusted to warrant officers and Colonel Mignor who has just inspected the executive charge at Aden, reports that a sub assistant commissary

general as much wanted there an addition to the executive officer At the presidency, Rooms and Mhow, in consequence of the extent of the executive duties, assistants to the executive officers we allowed as shewn below

Untablished compleness of commissioned officers of the Bonday com neservat

3 officers, do, 1 ůσ,

Dair b i on of the course of cree i we officers of the Bonhay con namer at on the lat A g at 1879

Stafoonk	As turb on sm s	Asset tonn a	Don ty n n te n n na los gr. q 1 1 nol s	Dp yne trut comns	and a sistant come s	Sub a. st.nt gemm s.	Ac any officers	Remuls
Bosal ty Pour Mbow I'dl account" K1 acheo Belgaum Aden On field services*	1	1	1 1 1	2	2 1	1	1	Assistant commus sary general order ed to Bombry En sorte to Mhow
Alumedab d Nu scendrd Nu scendrd Newed Heydena a 1 Declaise Alume insorr O fullong!* Present On field d t es	1 2	vae vre 1 1	unt mt	1 2	1 1 1 2	1 2	1	4 total 10 total 5 total

NB-Others a led at a ten hause not avail ble for executa a duty

Established complement of warrant officers of the Bombay commissanat

- I deputy come a ary
- 1 assistant commissa y 1 deputy assistant commissary
- 9 conducto s
- 10 m b con luctors

Dat lates of a great effects of the Bo had one consider the lot A a at 1879

& stons	Deputy con massery	As state econous s	Depuy serve	Conductors	Sub conductors	Remarks
Spee al duty* Bonley Aden Peona Alva Minow Deen Regrum Decoline Belgrum Decoline Arsargi Fooline Arsargi Ar Arsargi Ar Jacker Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline Arsargi Fooline	1	1	1	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	211	Sounuran *One attracked to most a apply

¹ B.-Off on 1 bel on to on one open findel sk all of commute o aym charge at Sott ra The me salbeford

Established complement of non-commissioned officers of the Bombay commissariat

11 Sergeants.

Distribution of non-communicated officers of the Bowlay Communicated on the 1st August 1879.

	Stations			Sorgenuts	Remarks
Bombay Bendora Poona Aden Ahmedabad Belgrum Kurmahee	1 0 100 10 10 100 100		:	5 1 1 1 1	
		Present		11	

Mayor General W S Hatele, Inspector General of Ordernes and Magazines, Bombay

The only assistants not at head-quarters are the superintendents of factories and commissures of ordinance, as follows superintendent, gun-carriage factory.

superintendent, gunpowder factory

superintendent, small-arm ammunition factory

assistant superintendent of factories (now with gun carriage fac tory)-

2 1st class commissaries of ordnanco-to be reduced to one 8 2nd chas commissions of orderno.

1 3rd class commissary of ordnance—to be increased to two

Deputy Surgoon General T M S. ogo Dif century Surgeon General ratesh Perces, Bembay

The surgeon general is assisted in his superintendence of the department by three deputy surgeous-general, and the command is divided into three medical circles -(a) They have the control over the medical and sanitary an ange-

ments in their respective encles,

(i) they also have to propose certain periodical retains, and

(c) to inspect and report upon hespitals, barracks and medical

officers

Dr W G Hanter Sargeta Gen eral I M D., Bennley Dr John Lausdame, Sandary

Commissioner, Bombay

There are no assistants attached to this office

They personally unspect the college register of births and deaths, and compile and tabulate the collectorate returns. Moving from place to place for some 8 months out of the 12, they personally test the work of then vaccinators by examining the cluldren reported as vaccinated. The smallest hamlets and the largest tonus are alike visited and inspected with reference to their vater-supply, and general conservancy. To show that these duties are not merely nominal, I quiet from last year's annual report where it is recorded that, arm for arm, they personally examined 16,813 children, made 386 encampments, and were out for Calminate 10,350 minutely firete and citizenthiamins, but were set in 1976 days, (the water and memoried 1,260 Mileges, and travelled 11,450 miles. The officient charged with the about duties ruck to the major surface your commissioners, and there are five of them—one for the Northern and one for the Southern Decree, one for the Konlan, one for Testern Generals, and one for South For Western Generals there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format there is a very commission of the southern format th superintendent of viceinition, and for the city of Bombry there is another. The former is in quan foreign territory, and the duties of each are more memodutely connected with vaccunation

Magor W Perrens Establish, Pay Department Bomby

No assistants way from head-quarters

Captani H Conput, Pres dency Paymaster Buntay

No assistants are deputed from this office except the assistant presidency paymenter, whose duties, when absent, consists of the payment of Native and other pensioners

Colonel J Thacker, Superintend cut, Army Clothing Bombay

Brigadier General H P Brooke Adjutant General, Bombry

The work of the department is carried on in Bombay only

The duties of assistants and of deputy assistants adjutant general not at herd-quarters, are in all respects analogous to those devolving on the staff officers of the deputment at herd-quarters Brigai er General G Burro va Quarter-Master-General Homboy

One resistant is attrached to each division or district (except Belgrum) of the army, and performs the following duties under the orders of the officer commanding -

Moreomet of troops, questioning of traops, superniterating embulation and disconbark them of troops, all matters regarding embunds to the requirements to be required with the nature of the country, military resources, towns, sixognosis, nuers, roads, temporé, population scaports and rivers tonnage procurable

Colonel C O Ma de Judge Ad-verati, Gustral Propo

There we but it a deputy judge advocates in this presidency, one in the Poors, and one in the Minor errole. These officers con but there do they will general officers on commenced of the season and destrock, on the primaryk and down for the judge edvocate general with the commander in chief

They conduct the proceedings of all general courts martial within their respective entries. They supervise the proceedings of all minor courts merchal, transmitting the proceedings of all distinct courts, riter

registry to the effice
They say cryise and report upon the monthly returns of nunishments,
confiscations and decisions in surfs of debts presed and inducted by

sujernitendents of basars within their respective circles They also report on and give their opinion on matters appertuning to civil and antitury law when called upon to do so

5. What is the cost of extra allowances to the establishment of your office for being at Simla, and can you suggest any way of reducing this cost?

Colonel J I Wiles Commits

Usually only two clerks accompany the commissury general to Simla One third of his pay is allowed, one cleik drawing more than Rs 200, and buff of his pay to the other who draws less than Rs 200 They me also allowed disk conveyance from Umbulla to Smila and second class fare by real from Calcutta to Umballa for themselves and three class fare for a servant with 24 manuals beggings. These flowmees are far less liberal than those of Scoretaint clerks, and no reduction in the cost is practicable

Major General N. Campbell O e atong Imposter General of Or nonce and Magnetics, Bengal

The cost of exita allowances to that portion of the ordinance off co which is at present at Sucla is about Rs 2 400. The best way to reduce my dest on this account is to put an end to the system under

Table the inspector general or any poston of the ordinate efficient which the inspector general or any poston of the ordinate efficient department I am of eminen that unless the flowerment of Inda deem it abrofully increase that th should not accompany the Government to this hill station it would be so that that officer should remain always at Calcutta, at ulusi place it would to the have ready access to all records and decurrents, and he able without delay to obtain information on the numerous subjects which require to be fooled into with the view to a more efficient according being exercised in the ordinance department than has been processed in the past, but which the present state of the finance in India imperatively calls for

Surgesa Ge cral J H Ker Innes, Belista Medical Departure t, a d Principal Medical Officer He t sh lotter for India

An extra allowance at 10 per cent on salary as drawn by the clerl s and servants of the establishment entertained prior to 1874, when orders

were smood probabiling the great to fit it is combined to the present each of the combined to the present each of the combined to the present each of the above over uncount to fit it is not to the combined

Surgeon General J F Bentso Indom Med cal Ser see Bengul

No extra allowances are granted

De T M Canngham tary Comm source will the Government of Ind 1

Rs 1245 This is the uncant of Simla allowances and house rent granted to two assistants in the general branch. Formerly all the cler's received Simbs allowments, but in 1875, when the establishment was revised only those two were recommended for them who accompany the suntury commissioner to Culcutta or on tour If Sunly were to be

the acknowledged head quarters of the Government of India, as it vitably is during aven months of every year-of the man parties of the offices were left here and only comp establishments fallen down to Calcutta during the winter,—then confidence would be established, people would hard house ettler for have or to live in them it emissives and reals would full. At present they are very light apeal not only of sente of houses occupied to officer and clerk, but also of hazari reals. So long Appendix IV]

as they remain as exorbitant as they now are, the piece of everything must remain high. It is the feeling of unear tunity that markey Smalla so expensive. Give the unangement permanence as in as possible, and the special Simi, allowances to clerks may be very largely reduced

Colored P B Harrison Con-italier of Milit by Accounts Bengal

None The officers are not directly attached to, nor required to move with, the Government of India

Majo O R Nonmarch Ac com tent-General Military Do 1 1 tment

The cost in 1878 79 was as follows -Rs Maintenance allowances to clerks and inferior 7,752 House tent allow mees

9,700 Total 10,502

This is under consideration by a speeml committee

Colo rel J K Cor pe D vertus of Army Retrount Operations

My office establishment does not receive any extra allowance for My ones estamament of the property of the Sund on toni, the following extra allowance, as sunctioned by the Government of India, Military Department, in letter No 1. Taking dated 1st Ichmary 1877, to

the Controller of Military Accounts, is drawn, vis ,-

20 per cent on salaries of Rs 100 per month or less 15 per cent on salaries of Rs 100 to Rs 200 per month 10 per cent on salures of more than Rs 200 per month

Each inferior seriout at the rate of 50 per cent of pay The expense on this recount for the past year amounted to its 520 I cannot suggest any way of reducing this cost

I consider the inferior sevents are not sufficiently paid by their pay proper. I morn, without this allowance, it is impossible now to obtain the services of my respectable man at Simla on Ris. 5. a month These rates were cottled 25 years ago

J H B Hallen Evg General Superintendent of Horse Bread in, Operations

The establishment of this office get no extra allowances for being at Simla

Major General Sir P S Launs den RCB, CSI Adjuinut-General in In ha

The Simb allowane (10 per cent on enlarge) was abblished by Government in 1871, total Military Department communication following since which dute the allowance live creed in the case of all new appointments. It is now drawn only by those who joined the effect before that other, and is decreting englanding dying and of the effect before that other, and is decreting englanding dying.

Resolution by the Government of India, Military Department, Total and Indian doted Fort William, the let April 1871

Read-

Resolution by the Government of India, Figure 1 Deputment,-No 1809, dated Fort William, the 21st Much 1871 Read Lummered Resolution No 8846, dated the 17th December 1861, sanctioning an additional

allowance of 10 per cent on their salaries to the elecks of the unity herd-quarters offices located at Read also the following correspondence having reference to a proposal by Simla tour committee

for the discontinuance of the above allowance -Endorsement from Prenneyal Department, No 1249, dated the 20th February 1875, and enclo-

Saucs
Extract from the Proceedings of the Government of India in the Military Department,
No 319, duted the 10th July 1873, and enclosures
Office memorizadam to the Military Department No 3150, duted the 18th August 1878

Office memorandum from the Multiny Department No 502, dated the 10th Pelacity 1871 RESOLUTION -The Governor-General in Council is pleased to decide that the extra allowance of 10 per cent granted at present to the clerks of the many herd-quarters offices at Smala shall be discon timued in the case of all future menumbents

Onone.-Ordered, that this Resolution be communicated to the Multary Department (Sd.) D BARBOUR.

Under-Secry to the Gost of India

No 50

Copy of the above for warded to the Adjutant General for the information of the Right Hon'ble the Communica in Chief, in continuation of No 523, dated the 10th Pebrury 1571 By order.

(Sd) B E BACON, Col. Depy Secy to the Good of India

No 51 -To the Controller of Muhitary Accounts

Colonel C C Johnson Officert To cleal's and draftsmen appointed before the 21st March 1874, ng Quarter Master General in Rs 4,060, and to duffues and peons entertained before the 9th January 1868, Rs 396 jer annum

These circupts are already to course of bong reduced as, under the radiags contained in Partneral Department Resolution No 1890 of 91st Maiol 1871, and Military Department letter No 389 of 91st January 1818, incumbents appointed or entertuned infer the respective dates named do not because up seek and blow note for being all Similar medical and the secure up seek and blow note for being all Similar dates.

Colored A B Murray Deputy adjutant-General, Royal artiflery in India The only extra allowances granted to my office establishment, while sheet from Sumb as 10 per cent, on estares shore IS 200 per mensor, 15 per cent on estaresheer IS 200 and not exceeding Its 200, and 20 per cent on salarnes of Its 100 and less. The Native servants are also allowed one half their salaries in addition when alwest from Sunfer

I do not timb, due allow uses could me outly be refused, more particularly as regards the decks, for these not components them for the early express entailed upon them by Jearney Barnessen, the discount for the set of "morred man, who, it hat these has well as all family with him, must propose and there traveling expresses, and it is because them behaved, must keep a segment or cribbinance for the at Simila, the allow-use concludes an item towards componenting him for his abbittonal express as comila-s to be corredy symprocable.

and bring, the theorems controlled at hear more manifestating min for an activation expense of small as to be enteredy reprecable. When proceeding with a many head-quarters to comp, I materially enders on it is not view, so protearly and I think that an allowance should be made to merred clocks, but this is not view, so protearly and I think that an allowance should be made to merred clocks remark to a text State to only treat the supervise of their families left bound, at this the passesse of the attest should be until by rull to attent of their accompanying the clocks. As they would knowled with soldiers' takeds resecond class for that closs tare, the cost to Government in the latter case would be but tribing, and a boan results controlled upon a deserring clock of Government are an in-

A free passage for their faunches is already granted by regulations when they proceed on duty of a normalent nature, i.e., extending over six months but as thus rately or ever largette. Although they may frequently be away four and five months, I would recommend that it would be extended to them under all measuratances.

Colonel J. Young Judge Advocate-General, Bengul

The clerks of this office get 10 per cent on flow salvines, while tender at Smile or deswhere, unconting in the aggregate to Rs 1 008 innovally, with an addition of a and 10 per cent to those drawing less than Bs 200 and Bs 100 expectively when they leave their beat quinters at Small I cannot expect up may of reducing the other products.

r F Collins Esq Prant pal Voly Surgeon, Bengal Army None

Mayor A. S. Hunter Director of Garrison Instruction in John

I not not surne that any extra cost as entailed by my office being located at Sunla

We extra allowances of any sort are given on account of my office being at Sunla

Major H. J. Hallower Inspector of Gyanness in India-Major F. W. Dunn, Superintend ent, Minish Army Schools

None

ent, smost army schools Mayer F H Marsh Supah Nature Army Schools Umbells

There are no exter allowances beyond torvelling allowance of the superintendent, Nature sumy schools

This office does not go to Octavemend, but remous at Madris all

Col. R. A. Morre, Acig Comey General Mindres Col. S. H. P. Chum or in el arge Ordunace Department Madrus

the year round

No portion of this office proceeds to Octacemund

Ordennee Department Madrus

Surgeon General C. A. Gordon
M. B. C.S. Princ pri Vici cal Officer
British Lordes Madrus

The extra allowances meaned by my office certable ament at Coisecument amount to Rs 188 9 per measure, ev, butta for 1 clerk Rs 16, data for 1 poor Rs 28 0 1 cm suggest no merus of reducing that cost. I consider that we with some other departmental clerks employed at Coise-cument, for, of this suggest general a office, should be allowed boose rest what suggest the considerations.

Dr II R Oswald MD Act ng Sungeon General Indian Medical Service Madras Not applicable to this office which does not move to Octacamund, a residence there being mecompatible with its oneithe and often emergent duties

Dr W H W Cornick, Fire s., Sandary Commissioner for Madias

None But the country commissions being a travelling office, proceeds on tours of inspection from time to time. On such occasions a clock and a pean accompany into, and the eventures are such from it is sunchased amount of Bis 2,000 albital in the leading as travelling allow are for insuested and establishment;

Col J W Rideout, Controller of Military Accounts, Madesa The offices remain pentirmently at the presidency therefore there are no extern allowances of the kind referred to.

The controller has been allowed thus year to conduct his duties with a portion of his office exhibitishment at Outcomment, but entirely at his

Presidency Pay Office Medica Trile answer to question \$

onn expense

Leut Col A Searle Supot and Agent Army Clothing Maires None, for reasons explained in answer 3

Brigadier General F W Jebb, Adjutant General, Madras

Until the present year, taking the annual tour? to lest 6 months, the average extra cost to the establishment has amounted to about Rs 785 for the period re at the rate of 50 per cent butta to clerks, exclusive

of rulway fare and eart have on study about the crisisms.
The year, needed of the 50 per cent butts, the travelling decis,
lever here allowed the same purpleges as the cleaks of the Government
offices, thus, when the cleaks happen to be married men, may perhaps
wronge double the amount.

Major John Ewing Offerding Onarter Master General Madras

The cost of extra allowance to the establishment of this office has been Rs 293 for about six months. There is no way of reducing the cost on the contrary, it was found necessary this year to have an extra clerk up at Ostacamund

Col J P B Sterred Judge Advocate-General, Madras

Rs 253 a month or Rs 1519 for six months It may be reduced by providing the establishment with public quarters for dwelling instead of allowing house sent

Lieutepant-Colonel M W Wil loughby Acting Commissery General, Bombry

The office of the commissivy general is permanently located at Bombay, and is not removed during the year to Poons or elsewhere On occusions of the commissary general a going on tour he takes with him a single clerk, whose actual travelling expenses are paid, and there does not appear to be any room for reduction of cost of this arrange

Major General W S Hatch, Inspector General of Ordennee and Magazines Bombay Dy Surgu Genl J M S Tope Olig burgu Genl British homes

ment

No extra allowances granted on this account

Bombay Dr W J Huster Sutgn Goul Indian Medical Se v ce Bombay

The extra allowance granted to the establishment in Poons as only for five months in the year, and amounts to Rs 182, being botts allowed to one clerk and one peon Reduction in this riem is not possible The surgeon general's office does not go to Poons, hence there are

Dr. John Lumsdame Samitur Commissioner Bombus

no extra illonances There are no extra allowances for being at Poons

Major W Perrenu Framinor Pay Department Bombay Cuptain H Cowper Presidency

Paymester Bombay

The establishment receive no extra allonances Salarres are fixed prespective of station at which the office is located

The extra charge for the office being in Bombay is that of presidency house rent to myself, Rs 75, and Rs 49 to the assistant paymestr per measem, the reduction of which I am not in a position to suggest There are no extra allowances entailed by my establishment bong

Col J Thod er Supët Army Clothing Bon bay Brigad er General H F Brooke Adjutant General Bombas

m Bombay The head quarters of the unny being permuently located at Poors, there are no extra allowances paid to the establishment. It is only when herd quarters move to Bombay or to the hills or on inspection toms that the following allowances are authorized —

house nent un hen thereof

Tents for the European and Native clerks, or (when not so provided) Batta to the clerks and writers in the form of a percentage on the

following silm es, 125 ,-Rs 100 and under

None

20 per cent above Rs 100 to 200 15 " Rs 200 and upwards 10 "
Britis to the extent of Re 0 16 per chem to the havidar, and

Re 0 1-0 per doem to each of the other peons The above allowances are denote during the whole per od of absence from Pouns

These ue the only allow mees admissible to the clerks and servants of this office, at d no reduction appears practicable

Brighter General G Berrous Ocarte Muster General Bombay Colonel C O Mn de Judge-Advocate-General Poons

There is no extra allowance to the establishment of this office for being at Poons

What is the amount paid for sent of offices sequined by your department at all places, and can the cost be reduced in any way ?

3rd class executive (Dancel ng)

Colonel J I Willes Commissary General Bengal, Office rent is sanctioned on the following scale -

Per month. Re 1st class executaves (Pesl awar, Rawal Panda Lahore, Kasaula, Lucknow, Meerut Gwiher Bareelly, and Allahabad) 60 2nd class executives (Umballa Jullandur Cawapote, Agra, Ramkhet, Dinapore' Benares, and Jubbulpore) 50

40

The offices of the department at Calcutta or , of commus ary general, deputy commusary general, lower circle, executive commissearch office, Calentia, and executive commissearch office, store and ship-ping, are provided with accommodation in a building realed at Re 600 per month. The scale of houserent cannot be reduced, but permanent continuous expense on this account may be exceed by the crection at stations which are not I kely to be given up of permanent quarters which could be in one building m a central spot, for all staff offices at the station

Major General No Compbell Officiating Inspector-General of Onionno: and Magnet nest Brogol

The amount prid for rent of offices is as follows -Per ampuni Rs

For the ordernee office at { Calcultr, including municipal taxes 4,900 600 Simila

5.500 Total . 480 For the office of the gun earninge factory at Fatebourh Total ., 5,980

If any partion of the ordernee office is not brought up to Simla, the amount of R< 5,980 set forth can be induced by Rs 690 per annum, or to Rs 5,380

Surgesa General J. H. Ker I mes Britist Medical Department and Principal Medical Officer Deviath Perce in Inde

The rent paid at present for the office at Samla as Rs 1,400, and 10 per cent thereon, municipal taxes -total Rs 1,540 Two 100ms are reserved at Calcutta in the building occupied by

the surgeon general's office, Indina medical department, to the use of this department when the surgion general recompanies the Government of India to the presidency They are however utilized, at other times, by the Indian medical department

The accommodation in the office at Simla as already found to be an dequate for its requirements, and an application was submitted in Pebruary 1870 for an increased allowance for house rent, which was however refused on the ground that the question of Government quarters for offices was under consideration

Surgeon General T F Bestson Indian Modical Service Beneal

The Indian medical department office is now located in a hired parate house, No 5, Little Russell Street, the rent of which is Rs 300 a month. It is comparatuely a small house, and the acous are all very much crowded when the cloris are at work. Two of the best rooms and rereaded are given to the office establishment of the Bengul local medical department, but no share of the above rent is defrayed by it

With regard to reduction of each is no so a special that my material relations of the office-ward special to reduct the office of the special to the special reduction of the office-ward scale the made as regards a hard building. As smalle, issues could be talon, for every rean ord paragray or softening. The whole cost could be read if queriest could be found in the for-if a stone of any other public office lecame analyble, but this, billough office suggested, has notwer yet been found protecable

Dr J V Cun ngl am Sanitary Common with the treat of India

Rs 100 per measem, or Rs 1,300 for the year It cannot be reduced

Colonel T B Harrison Con oller of Military Accounts troller Bengal

Re 1,130 a month The only way to reduce the cost would be to ercel a smille building to contain the several offices. The above seems, added to the rent at at the title Government buildings now occupied by the deportment are assessed, would more then cover the interest on the money expended in erecting a proper and suitable building to accommodate under one roof all the offices.

Major O R Accom Hant-General Newmarch Mintary Degartment

The amount pad so tent per annun is—

Rs 3,000 in Calcutta exclusive of rates and taxes , 1,200 m Smla

,, 4,200 Total

No reduction is possible at present Colonel B Walton Superintendent vid Agent Army Cloth The department and its different offices occupy Government buildmgs at Alipere near Calcutta

wg Bcogal Colonel J K Couper, D rect or of Army Removat Operations

Re 600 per summer is allowed for rent of my office at all places, and the amount as hardly sufficient for a custable place for the six and the amount is many subject for a cultible face for the six months at Sunh only. The office at the Hapur depth is a Government building and the Department Public Works charge Bs 198 per anoun as rent. The office at Saharupar is also a Government building, but no rent is charged

J H B Hollen Evq General Super tendent, Home Breeding Operations

The amount of rent paid for offices of this department aggregates Rs 1 260 mmunily, as follows -Řs General superintendent's office 800

Assistant superintendent's office at Rs 240 cach 480 Total

1,280

and current be reduced in any way

Appendix IV]

Major General Sur P S Lumsden ECB CSI, Adjulant-General in India

Rent is paid only at Smala, Hs 3,500 plus local taxes (this year 10 per cent)

William

When at the presidency, office accommodation is found in Fort The obvious and indeed the only way to reduce charges on this head

Colonel C. C. Johnson Offi enting Quarter Master General in India

is the construction by Government of haddings wherein all public offices may be concentrated At Smla the man office has been recently purchased by Govern-ment, and the interest and repairs represent the rent. The present

intelligence branch occupies a small house next-door for which Rs 1,320 ient is paid this will not be large enough for the new branch
An office should be built for the whole of the army departments at

Smola

At the herd quarters of ten divisions and districts Bs 240 each annually.

The above amounts burely most the requirements. The only mode of reducing expenditure on this head that can be suggested is the allotment, or constantion at the land-quarters of each com-mend of a suitable building to accommodate the military staff offices there located

Colonel A. H. Murray Deputy Adjutant-General Royal Artillecy an India.

Rs 1 200 per annum is pud for the Simla office. When at Calcutta, the office is in a Government building in Fort William, and when else where it is in tents

I do not consider the cost can possibly be reduced Every corner in the house now used at Simla is occupied, some of the rooms are overcrowded already, and I do not think a cheaper building is procurable anywhere The s tuation, moreover, is convenient, being next to the adjutant general s office

Colonel J Young Judge Advocate General, Bengul

Office rent at Simla has been Rs 900, as now Rs 700, and might rise aguin. Rent for divisional offices is included in the office allowance drawn by deputies

F T Coll us Esq., Principal Veterinary Surgeon Bengul Army

In Simla the unnual rent for two large rooms for offices amounts to Rs 600, at Morat about Rs 500 and I do not see from the amount of room required in what way the expense can be curtailed

Major A S Hunter, Director of Garrison Instruction in India

The net rent paid for lecture halls at five contres of garrison instructon his been on an average from Rs 850 to Rs 450 a month. The expend ture has been kept down to a minimum by lotting spars accommodation in the houses rented to garrison instructors or to officers attending the classes

At the remaining three centics, Government buildings have been

allotted for purposes of gurnson instruction.

The cost can be reduced by using Government buildings when available

Major H J Hallowes Inspec-tor of Gymnasia in India

Office sent of Rs 30 per month is allowed to mo, and it could not be reduced No rent is paid for any office except my own at Simla

Major F W Donn Superso tendent British Army Schools

The only rent allowed is Rs 39 per mensem for the office of the superintendent It cannot, I consider, be reduced No office lent is allowed. An old guard room (of former lines, levelled since the mutany) was converted into the school and office,

Major F H Marsh Super u-tendent Nativo Army Schools, Umballa Colonel R A Moore Acting Commissary General Madras

Umballa Pablic offices are provided at all stations except at Rangoon,

They ctanyo, and Belliary
At Rangoon the office allowance is Rs 70, at Thay ctanyo Rs 60 at

Bellury Rs 40 These rates are not in excess of what would have to be paid as rent for surtable office accommodation

Col S H E Clam er in charge Ordnauce Department Madras

No buildings are rented for offices for this department

Sergeon General C A Gordon, MD CB Principal Medical Officer British Forces Madias

The surgeon general a office at Fort Stant George being a Government building, no sent is prid for it At Ootacamund the surgeon general conducts his duties in his private house the iental of which a defraged by humself. The administrator offices of endes draw an office allow once of Rs. 75 per mensem out of which they provide their own ele Is and statemery and such offices as they may require. In most mestiness if not in all, them offices form part of their private residences

Dr H R Osmald MD Act ng Surgeon Gene ul Indian Medical Service Madras

No rent pad The offices are held in public buildings

No reduction can be made under this heading

D WHW Corn sh Figs Stratary Commissioner for Madria

Rs 80 a month or Rs 960 annually, at Madras only This is the minimum sanctioned budget altotment, and cannot be reduced in my way Was reduced from Rs 100 to Rs 80 monthly by present incumbent of office nine years ago

Colonel J W Radeout Con troller of Military Accounts Modras

ij

Presidency Pay Office Madras

Legat Col. A Searle Sundi Modes

Be gadeer General P W Jobb Admitant-General, Madras

Mayor John Ew ng Official og

Quarter Master General Machas

Kamptee Secunderahad Bellaty Rongoon Cannaporo

Madras Bangalore Colonel J P В Judge Advocate General Madros

Leautenant-Colonel W Wille ghby Act ng Commissary General Bombay

All offices are Government buildings in Fort St George There is therefore no sent paul

The offices occupied by the prymaster are the property of Govern-ment and are face of rent of any description The premises occupied by this department are Government property,

and no cost for rent is incurred

At Madras the office is located in a public Government building When at Ootacam and a building has to be rented for the office of the adjutant general and assistant adjutant-general royal artillers. It has not been found practicable to get a house at a less rent than Rs 30 per mension for the combined offices. This cost cannot be reduced At lead quarters office -Rs 210 for six months or Rs 30 per month

at Osinenmund. In Kert Saunt George the office is accommodated in a public building. No reduction can be made in it e rent paid at Osine; mund as the rests of houses there are legh. No public buildings are brummatio it aldstrag

Monthly office allowance in their oral offices --Re 160 170 118 stationery These sums provide for the cost of clerks office rent and 110

115 Off 100 | above Office to provided in a public building other charges as A χ this holding in the fort is occupied while with army head quarters at Comeanuad. The cost is Rs. 49 a month or Rs. 210 for

six months. This may be reduced by locating several or all the army head quarters offices in one building large enough for the whole The actual expenditure under the head office-rent for the year 1878 70 is given below -

Ba A 649 0 Aden Ahmedebad 870 0 Ahmedangar 210 0 283 7 Belgnum 128 4 Baroda Decsa 240 0 190 4 Hyderahad 360 Kerrachce n 0 Mbow 360 - 6 Nusseerabad 199 14 n Neemuch 169 0 1200 0 ñ Pages Total 4371 13 0

At Poons the office is accommodated in a lived building. The execution of a Government building has been sanctioned, but deferred for want of funds. At Adam a special amounts has been granted for office rent. At the other stations the office is accommodated in the house of the executive officer, who drives * No 70

from Government one-third of the sum paid by him as bouse rent At Ahmeduager and Buredy for some mouths pust on ug to reduction of establishment, the offices

have been located in it a commissional stores and nothing is at present charged for off co-rent

I see no may of reducing the above charges unless Government choose to build commissional offices which would be describle it all stations. Even the interest on money expended on the build

ings would probably exceed the sum now prud At Bondry the offices of the comm sary general and the excentive officer at the presidency are accommodated in a Government building, the old tom barriels

Mayor-General W S Hatch Inspector Ge seel of Ordenasco and Magazines Bossity

Deputy Surgeon General J M S Fego Officiating Su groun General B ish Forces Bombay

Dr W G Hunter Surgeon General Indrin Ved cal Department Bombay

Dr John Lumede ne Samtery Commusioner Bombay

All the offices of the department are located in Government buildmgs

The rooms occupied by the surgeon-general's office in Rombry are in a public building for which no read to pa d While in Poona for the five mouths the office is administered in the

surgoon general a residence, for which no rent is charged to the State The offices are saturated in the Town Hall (Government building) and no rent is paid for them.

The central office that of the stantary commissioner, is in the scenetarrat, and there is no charge for rent. Lack deputy can tary contauss of er drives us office allowance of Rs 20 per month and the superintendent of vaccination in Western Guzernt draws the same

(1268)

Leentenant-Colonel D B
Young Officiating Controller of
Muldary Accounts Bombay (Controller a colice)

Major W Perreva Examinar Pay Department Bombay

Lacut Col D B Young Offg Contir of M by Acets Bombay (Pens on Paymaster a office) Lett-Col D B loung Offg Conflir of M by Acets, Rombey (Accounts Brane)

Capia a H. Cowper Presidency Paymaster Bombay

Colonel J Thacks Superint tendent Army Clothing Bumbay

All the offices of the military account department in this presi dency being accommodated in Government buildings, no charge for rent as menraed

There is no expenditure for rent, as the office is located in a Govern. ment building

All three offices are accommodated in public buildings

The office is located in a Government building, no rent is paid

The office is located in a Government building for which no rent is charged The clothing agency piemises in Bombay are Government property

The buildings, with improvements to delay them to the write of the agency, cost Government its 56 355 exclusive of the cost of the land stee, Rs. 16 808 Their occupation by this department is conformed and santable

Brigde Ganl H F Brooke Adjutant Gene al Bombay

At Poona Rs 165 per mensem At the bills Rs 233 for the sesson (2 months)*

House reat is very high in Poons, and no house which would accome modate the office could be obtained at a lower rent. The house at present occupied is most unsuitable, and provides very inferior ac commodation

Beigndier General G Birrows Quarter Mailer General Bombay

At Poors a Government building is occupied, at Hombay tents me used at the inlis (farce meaths) the quality mester general reserves one thand of the bones rent pend by him for the season to accommodate his office (about Rs 250). No reduction is fersible

Colonel C O Maude Judge Advocate General Possa

At Poors the judge advocate generals office is in the same building is the firstness office, and no tent is paid for it, when in Bentar a Government tent has always been used for the office at Mahablashwar the average tent for office is from Rs 250 to Rs 300 per annum, this latter charge could not well be reduced

What is the annual cost in your department of-

(a) Stationery,

(b) Printing.

(c) Postage,

(d) Telegraph charges, (e) Travelling expenses,

(r) Miscellaneous and charges,

contingent

and can they be reduced?

(b) Rs 4 055 during 1878, 79, as inhuncted in letter No 2384, the superintendent of stationary (b) Rs 4 055 during 1878, 79, as inhuncted in letter No 629A dated 6th October 1879, by the Colonel J I Willes Community General Bengal

superintendent of Government printing

(c), (d) (e) and (f) Fide letter No 7493 dated 9th September 1879, and statement attached from the controller of mil tary accounts annexed below No reduction can be suggested

Copy of a letter No 7498, dated 9th September 1879, from the Controller of Multary Accounts, to the Cormissary-General

In compliance with the request contained in your letter No 5463, dated 2866 August 1879, I have the bonor to forward a statement showing the expenditure incoured during the past three years in the supervising and executive commissional offices on account of postage, travelling expenses, and miscellancous and contingent expenses

2 Telegraph charges were not separately compiled

CHADGES	Superv stug and extent at establ shment	Supervising establ skiment		Feecutive establishment		Remares	
	18*6 *7	1877 78	1878-79	1877 78	1678 79		
Restage Traveling expenses Telegraph charges Miscellaneous and contan gent charges	13 376 24 988 } 64 779	1,971 2,624 5,259	2 700 5,825 18,410	12 226 25,389 59,598	13,639 25,178 70 618	Telegraph charges were not separately com piled	

	(1269)		[Appendiz	IA
Major General N Campbell Officialing Inspector General of Ordnoore and Magazines, Bengal	The annual cast as of— (c) Statonery (d) Pantong (e) Pastong (f) Telegraph through (f) Tarvellung expenses (f) Tarvellung expenses (f) Macellamone and contangualt (No reduction can be suggested	charges	Rs 5 608 2,486 4,421 1,458 8,097 10,614	
Sorgon General J H Kerlanes British Med cal Department and Principal Medical Officer British Forces in India	The following are approximate avera heads— (a) Stationery About	Be ezhensei	under the Re 800	above
1 Office work proper 2 Books and forms	(6) Printing : for issue to corps in the command		500 2,500	
	Tetal		8,000	
1 Office dequitables 2 Supplies of books,	(e) Postage forms, &c, to corps in the command		600 1 400	
	Total	•	2,000	
	(d) Telegritik oberges		***	

Ordinarily about (e) Travellety exponent

The officers and such small establishment as may be taken for a comp office (has bither to never exceeded 3 cieries and 3 peens), travel under possage warrants formshed by the queries master general s deportment

500

(f) Mucellaneous and contragent charges

About Rs 600 annually, moluding cost of nations, were clothing and biankets for the servants. and fuel for office use Can they be reduced?

A slight reduction under printing charges will it is believed, he effected by the discontinuance of the quarterly sheets of circulars and their embediment in the corrections to the Bongal Medical Regulations about to be usued quarterly restord of half yearly under the sunction of Government and also by the reduction and amalgameters of a few of the War Office and local forms recently carried out

Under existing enounstances, no reduction under the other heads appears practicable. Every endeavour is thready is alle to keep the expenditure as low as possible.

Another of expenditure connected with the printing of books and forms for issue to corps door

not appear in the charges above enumerated namely packing and transit charges on the packages

on upon in our wayed noise construction lensicy proving an a trainit energy of the 100 perhaps forwarded in Smith by the supermittensities of General new placing and stitutionery. Onle sits Province information on the subject has not yet here recoved from the estentimizant General must paring, but the charges in questions may be requirely ceitarted at the buff it 1 000 per vacuum (37 ten lead and not board yeak gets weighting 113 manufar were recovered from, November 138 to 6 Content 1371); Leader and not board yeak eyes weighting 113 manufar were recovered from, November 138 to 100 per supermit 130 manufar were recovered from, November 138 to 100 per supermit 130 manufar were recovered from, November 138 to 100 per supermit 130 manufar were recovered from, November 138 to 100 per supermit 130 manufar were recovered from, November 138 to 100 per supermit 130 manufar were recovered from 150 perhaps 100 per supermit 130 perhaps 13 despatch of the large number of packets and parcels containing the annual supplies to cops, which takes place during the writer months when the pacted department works with a reduced establishment This expenditure in gith white mounts were as personal convenience to all concerned be avoided fall thus expenditure in gith with great advantage and convenience to all concerned be avoided fall supplies of forms and bools were despitched direct from the office of the superintendent of Government printing Celestia to the several hospitals in the command meteod of being, as at present, for a grided in bulk to this other for re-despitch and distribution to corp-

It is therefore propose I that, while the eletical work connected with the matter, such as the checking of indents and correspondence relating thereto, is conducted in this department as heretofore the ing or outsiles among the precise and comply ag with the regardiness be trussferred to the Government Central Fires. Calcutta where an establishment and every convenience for such work already exists

Surgest General J P Pentage Indum Method Service, Bei gal

The summal cost of all those stems has undergone a marked decrease since the separation of the Bengal civil duties from the medical ad manufaction of the ususy and on d scaveres elsenbere but as the separation only took effect from the commencement of 1878, it is too

early to form any precise knowledge of the styrings effected. Although in a general was it may be and that the and methed dates are completely disposed from this office for Bougal proper and to a very large extent for the North Western Provinces—that the necessary anangements to doing it in the Punjab are almost ready and that the complement of caval hospital subordurates for Burma, Assum, Hyderabad, Central Provinces Ruppulana and Central Indus are to build, and merely award formul orders from these transfer as two medianes yet the entire convergence moduling expenses of clocks, telegraph circuges, poslegs, and sixtomery have desided on this off es during the last too years so that the expenses are by no means reduced in a corresponding degree. The retial official work has in the buildy measured in consequence. And it may faither be added that the many work has in the buildy measured in consequence. And it may faither be added that the many introduct questions connected with sending so many hospital subordinates from Rengel for dut; in Madres during the frames has not yet crossed to be a senses two on the courset element labor. It is now ucrity taded but retizing arrents of their pay and trevelling allowances and recovering advinces, have formed a very large percentage of this effect work during the past two years Subject to this explanation, the actual figures are-

Rs A P

(a) Stationery This is an approximate sum Prior to the transfer of the Bengal civil medical duties the

the statement for the whole province was usefuled in that of the Calcutta office and hone it is uspossible to determine exactly the amount due for that portion only which was expended here Rs A P 468 5 8

Statumery, 1877-78 1878-79 148 5 (b) Printing-5.032 0 1876 77 2,770 8 2,388 15 1877 78 1878-79

furnished by the superinterdent of Government printing at Calcutta

(e) Postage-Rs A P 1,886 11 6 1876 77 987 5 0 689 14 6 1877 78 1878 79

Note-It is probable the reduction in this item is to a great extent due to reduced charges and facil ties of the Postal Department

Rs A P 485 0 0 (d) Telegraph charges— 1876 77 435 8 8 1877-78 1,050 0 0 1878 79

The messes is directly due to war charges especially to this office having to defray cost of massages research (as well as despatched) from principal medical officers of the field forces. No gr at reduction should be actionysted in this branch. As a rule, the civil method administration gives infrequent occasion for telegraphic messages, or, if sent, they are privately pun (e) Travelling expenses $N_{2}I_{1}$

(f) Miscellaneons and contingent charges-

Rs A P 1,034 18 4 786 11 1870 77 à 1877-78 858 5 9

The reduction herein is not altogether to be relied on. It depends to a great extent on recurrent

The reduction means in we successful to be released in depende on a great extent of reducing response such as sutting furniture, and economial proces of messages.

In paging the last, patient of the question, I thank it is appreciate from the figures that this effice is not meanable to the necessity of reducing expend turn, that a givent deal has already been done, and that every exertion as being made throughout to exercise underson conomy

Dr J M Commentum San bus Commuse ones with the Government of India The actuals of 1875 79 were-(a) Not known under this head, as the indents were not priced.
(b) About Rs 3,500 Nearly the whole of this is for the annual

report (c) Rs 272 9 (d) Rs 48 8

6) Rs 2,984 9 6 meluding travelling to Calcutty and brok (f) Rs 1 486-13 6 The most of this is due to books, apparatus

and other uticles required by the special assistants in their investigations

I have always endeavoured to study economy in the management of the office. The allowance for travelling to and from Calcutta might be reduced as far as famil es of officers are concerned but the saving to be derived in this office from this change would be but small, as the statistical officer remuns permanently at Sunla

Colonel T B Harrison Controller of Military Accounts Hengal.

Stationery —In continuation of my letter No 3293 of the 26th September 1879, I have the honor to state that the total charges incurred for statemery supplied to the multary account department during the year 1878 79 amount to Rs 4,862-2-6

Printing, Rs 3 450 Postage Rs 7,250 per annum Telegraph charges Rs 1 350

Travelling expenses, Rs 13 100

Muscellaneous and contingent charges, Rs 17,460
The expenditure under this head is hardly susceptible of reduction, though it is necessarily a fluctuating charge

Major O R Newmarch Account ant General Military Department The cost is as follows -

(c) Supplied by the statemery department
(b) Rs 2 690, metades budget
(c) 3 349 3 4 Average of the years 1870,
(d) 2 250 3 4 1876 and 1877 (c) Rs 10,602 m 1878-79 for both officers and clerl s

(f) Rs 2 400 meluding conveyance of office records to and from Sunia and other mmor expenses

I see no room for any material reduction, as every care is taken to render these services as economical as possible

	(12/1)	ſъ	Phonory 1
		Rs	
Colonel B Walton Superintend	(a) Sint onery		annually
t as d Agent Army Clatharg	(b) Pontag	800	32
ngal	(c) Postage	2,000	22
	(d) Telegraph	50	32
	(e) Travelling expenses	Nil	
	(f) Miscellaneous and contangent charges	2,800	>>
	They cannot be reduced		

/ 1021 \

Colonel J K Comper D rector of Army Remount Operations

(b) Printing

Hs 1500 As given by the superintendent, Government printing Rs 29a-0 0

Camenday IV

(e) Postage (d) Telegraph charges (e) Travelling expenses Rs. 518 0 0

Rs 5,389 0 0 This includes Rs 8,081 for the votermary surgeon who tru-velled in charge of remounts from Calcutta to the North West depôts The horses are now sent with overscors, so nearly the whole of this

(f) Miscellancous and con tangent charges

nmount will be sixed

Rs 1 220 0 0 With the exception of the traveling expenses shown above they cannot be reduced

J H B Hallen Feq General Supernic do t of Heres Bracelong Operations

The average annual cost in this department on account of the charges detailed are as follows (a) Stationery—is supplied by the supermitted of stationery, C leuth who will be able to give the salution of the stationery

supplied to this department

d by the Government presses at Culcutta and Allahabad, whonce (6) Printing-Is executed

the required information as to cost may be obtained

(c) Pestage, Rs 394 (f) Telegraph charges, Rs 38 (c) Trivelling expenses, Rs 6 201 (f) Miscellancous, &c., Rs 1,237

The above charges are subject to fluctuations, depending upon cucumstances. The amounts shown are the averages of the last three yeas taking into consideration the probable outlay in future compared with those in former years. No reduction in expenditure under the above heads can be suggested

Major Graces B. P. S. J. ma de 1, not ost Adjulant General 11 India

(a) Stationery is obtained from the Government stores on annual indent, according to regulated scale and strength of establishment I am unable to give the cost

an without to give the cost

(6) Prusting—Thus is close by the army herd quarters press

(8) Prusting—Thus is close by the army herd quarters press

Ris 15,000 to 15,000 including special extra cliburous cost given to me nearly supromized

(9) Postago, Ris 5,000, including from an appear that the suprement of the property of the press of the

(f) Air-vicing expenses, no spow energes acts on
(f) Miscellances and contingent debrges Rs 3,300 (August 1878 to July 1879) Exchange
of home rent and press contingences given under their own fields showe
I cannot suggest any means of reduction. Stationery is used only recording to office wants, and

the press is on a minimum scale, heavily noriced and indispensable for the printing noth of irmy head quarters

The other four heads cover fluctuating changes mounted only on the bond fide requirements of the SETVICE

Columel C. C. Joi navn Offic at ng Q. arter Master Ganeral in Ti dia

In orderary years the cost 19-(a) Strikenery for anny herd quarters office Rs 1,125 for 11 divisional offices, Rs 1,710

(b) Printing Rs 4,279

(a) Friending Res 2,500 per grant head quarters office, Re 1,670 for dryssord offices, Re 2,786

(b) Telegraph charges for acrosp head quarters office Re 4,925 for dryssord offices Re 5,244

(c) Truelling expenses Fins department is unable to furnish the required information on

tle above subject, which is only available in the offices of the examin ers, pry rad communication to counts

(f) M scallaneous and contingent charges for army head quartous

office, Rs 1,888 for divisional offices, Rs 1,825 No reduction is feasible under the above heads

(1272)

Colonel A. H. M. 1713 Deputy Adjutust General Royal Artilbery in lind Bengal

Apt roximately I may say-

(a) Rs 360
(b) Printing is done in the adjutant general s press

(c) Rs 1 110
(d) Rs 900, but during the list year, owing to the Cabul War this item has increased to about Rs 9 000

(c) Rs 1 000

f) Rs (80 All these items are strictly cerutanized and leptot the lowest possible minimum and cannot in my opinion be reduced

Colonel J Young Judge Advo cate General

(a) Stationery is supplied by the stationery office, and the cost not Prown

	(7	Printing is all done in the and no charge is made to this	ljutant gene department	als punting	office
(e)	Postage-	•	-	Rs	
	At head quarters Divisional			9ə 480	
		r	lotal .	575	
(d)	Telegraphic charges— At he id quarters Divis onal			90 125	
		7	Potal	215	

(e) Travelling expenses - When moving from Simla the officers and clerks get warrants for their conveyance from Kulka to thou destination together with sums varying from Rs 25 to Rs 50 for their conveyance between Simla and Kalky Div signal officers

	when travelling on court martial duty get warrants also but I have ascertaining particulars as to the cost	230	me
(f)		Re	
	At head-quarters	855	
	The office allowance of 4 divisional officers at Rs 70 per monsem and 1 at Rs 45		
		900	
		205	
	-	_	

These charges cannot be reduced but the budget provision under heads (c) and (d) might be reduced from Rs 1 000 and Rs 400 to Rs 600 and Rs 300 respect vely

F F Coll as Esq Francipal Vetermany Surgeon Be gal Army (a) Stationery l Rs 120 paid by principal veterinary (b) Printing Surgoon

Postage—Rs 200

Telegraph methoded n contingent
Trivelling expenses for both circles—Rs 2 800

(c) Trivilling expenses for son orients—18 2000 (T) in Micellancours and contingent charged—Re 2000 (T) in Micellancours and contingent charged—Re 2000 (T) in Micellancours and contingent contingence and allering commutee and allering commutee and allering commutee and allering commutee and allering commutee. I lo not see in what way it is possible to reduce the above expenses

Mujor A S flunter Director of Ga son instruction a Ludia

(a) I um unable to state even approximately, the cost of stat energy se, drawing materials, for the eight centres of graison instruction in India and the case not take now to obtain the necessary data from the super stendent of Government stationery the amount supplied is however not in excess of netural requirements

(i) The punting of extinuition papers &c is seconded by the punting press of the alputant-general s offce the reproduction of plans and drawings, by the surveyor general scientification of the reproduction of the punting of the punting of the second of the punting of the pun

(1) It is difficult to form an estimate of the expenditure under this head. But cert ally Rs 500 cours the entire cost of course officers of the department only resort to telegrams when the matter referred does not admit of delay

() From Rs 2000 to Rs 3000 The trivelling of the director of gainson instruction is limited to hat is not all, sequeste for the inspection and examination of the classes under mstruction.

(f) About Rs 2 000 This expend ture is confined to the amount necessary for the purchase of lette stores by the granson metructor sulply of new editions of the text-books, and purchase of bools of reference for the office

No se of the foregoing charges are in my opinion capable of reduction

(1273)

Major H J Hallower, Jaspenior of Genuesia in Julia

(a) For office at Senia and the gymnama at Umballa and Lucknow about Rs 360 annually

(b) Rs 30 (c) Ps 10 (d) Rs 10

(c) From Rs 3,500 to Rs 4,000

f) Almost ml The above charges cannot well be reduced, being actual requirements

Major F W Dunn Superstand ent Brit sl Army Schools

The east of-(a) Stationery is not known to me, all the supplies being issued from the stationery office on indent

(6) Printing is also unknown to me, the charges (which are for forms only) being adjusted in the office of the superintendent, Govern ment printing

(c) Postage, about Rs 225 per ansum in the office of the superintendent, about Rs 75 in the office of each sub inspector or may for the whole about Rs 450

(d) Telegrams from Rs 45 to 16 per summ (e) Triveling This differs very much according This differs very much according to the district travelled over in the case of the superntendant whose dates evtend over the entire presidency. In 1977 75 the car ges for timel-hug and deputation of superintendent. Rs. 1,902-12-0. In 1578 79 the charges were much less, owing to the illness and subsequent absence on mel. leave of the assistant superintendent, which confined the superintendent to the office at Kasauli during nearly all the year

The sib inspectors travel by wairing, and the actual cost cannot therefore be determined. Their

deputation vitor acce conversely area was a section of the state of determined. Their feptitation vitor acce consents to about Rs. 2,500 fm the three of the continuous and continuous charges. These are measurements, amounting to less than Rs. 50 per minum.

I do not consider that my of the above charges can be reduced The above are the charges meadental to the admin stration of the British array school depart-

Those connected with the schools themselves, evclusive of the pay of the teachers, are-I Supply of stationery The charges under this head are adjusted by the superintendent of

stationary

Supply of books, Se, herelefore obtained from England, but in future to be signified by
local agents. The estimated unusual for the year 1578 79 was £349 49 (or say 10 until) in Indian currency Rs 4 9005 Hindustana books Charges adjusted in the office of the secretary to the board of Nativo

languages

Charges adjusted by the supe intendent of Government printing Forms Grant for materials for sewing schools at the rate of Rs | 12 per amount per child attend-

Actual for 1878 79 Rs 3 ogs 1 5 The charges under this head are gradually diminishing 6 Grant for prizes Rs 4 820 per annum The only one of these charges which I think may be reduced without absolute detrument to the schools is the last. The allowance at present in-

Rupees 100 for each regement

20 for each lattery

40 to Luropean muscled Lettation Charact

20 for head martins suppers and miners The amount drawn is in each case to be apport and by the officer commanding to the adults and children the latter being especially considered. I do not their that prizes are now essential as an meetitive to the non-commissional officers and privates to study, the advantages to be derived from measure to the non-commencer enterer and previous to enterly the survey to be derived from the possess on of certificates being fully understood and forming a suffice to inducement Assuming, then, that one fourth of the above amount drawn has been distributed as primes to the valults. I thin, the third that the proportion may be writished. There would then remain Re 3,815 for distribution amongst the carrians proportion may be writtened a force some constraint as 5,015 for distribution amongst the children. There were on the rold dimen; the pert 1575 vm mesage of acettly 3 500 children. (1705 elder, 1,875 mf cnf), so that the three tumbs great amounted to shout Re 1 per unnum per child Ci, if each child in the masters' schools were allowed for at the rate of Re 1,8 per unnum, and Os, it can come in our measure sensors near moment or as one rive or do 1 o per minim, and cerch unfant it 8 amuss the unwant divern would have been Rs 313s, which approximates the three fourths of the total change released to II species to mee that the allowance for pure might be pressed in finite at the ride of Rc 15 for e ch civil attending the mysters schools, and 6 mans for each child attending the infinit school, on the average, monthly throughout the year, in each corps for which a fixed sum for prizes is now allowed

Mayor F II Marel Super atend ent Asiave Army School, Lumballa

Stationery and printing we defrayed from the office allowance (with

the eluk's pro riso) Postage has been allowed at Rs 80 per annum in the budget

Leleg uph elvinges vie very rue, sas Rs 3 or 1 per annum To relling expenses Rs 1,000 is calcred in the budget innually Meetho cous and contingent charges to allow nice is granted under these bends

These charges could not be reduced without same fring efficiency

Colourd R & Morre Acting Couns seary General Mudzas

 (a) The cost of stationery supplied to this depart 	riment	
100011 1 25	R	4,000
(6) Of practing		1,501
(c) Of 10 tage		2,190

All these stems depend on the unount of business and correspondence curred on and d e economy is exercised

(d) Telegraph changes Rs 3 254 2

(e) Thyrelling expenses The expenditure under the head is Rs 702

With the exception of the deputy commissing general who is only re paned to proceed on an unual tour, commissarint officers are seldom

sent on n spection duty (f) Miscellineous and contingent charges Rs 1,244 4 3 This metades charges on recount of binding books, almanes and n my hat's I huskhus tatties p ml ah pulling (Vizagapatam alone) peons' helis, and petty niceles office rent and family allowance are excluded

Colonel S R E Charact in charge Ordnance Department Mail

(a) Stateonery Rs 2,878 1

(b) Printing Rs 763 minutely (c) Postage, ordnance office Rs 390 arrenals factor as and depôts Rs 737

(d) Telegraph charges (meladed in tuiscellaneous and contingent) Ordnauce Arstnals Factories Office and Depôts

Rs Rg 204 \$ 170 (e) Travell ng expenses

1 073 13 570 (f) Miscellineous and contragencies The expenses under the above heads have already been reduced to the lowest working limits. The travelling expenses under assenals, fretories and depôts are solely such as are incurred by clief civil mas ter armomers on their tours of inspection

Surgeon General C & Gordon M D OB Princ pol Vied cal Officer British horots Madras

This includes cost of all stationery for use lu) Stationery Rs 727 in surgeon general's office, also cost of blank books assued to medical officers also cost of paper supplied for printing the various statistical zeturns used by me lical officers

(b) Printing not I nown (c) Postage, Rs 45s

(d) Telegrapi clarges Rs 288

Travelle is expenses The surgeon general solder travels on duty and does not make annual inspections If e extenses from 1st January 1379 to present date on this account have been Rs 212 18 0

(f) Miscellaneous and contingent charges, Rs 148 6 2 No reduction 18 piaetienble

Dr H R Oswald up Acting urgeon General Lidium Medical The annual cost of this department is of-Burgeon General Service Madran

Stationery Ra 587 2,054 Printing 12 Postage 386 Telegraph charges 285 Travelling expenses Aut 32 Miscellaneous and contingent charges 272

The small cost of stationery is sufficiently indicative of a minimum supply only being indenied for by this office. Much of the cost of printing is on account of the forms of retains of medical and suntary statistics, to print which is more economical than to use minuscript forms, when the numbers used are so large. I am unable to suggest any reduction in the cost of postage which aggregates exactly one rupes per diem. The telegraph is employed only when the ordinary jost cannot subserve

the interests of the State

The surgeon general not being in inspecting officer, there is no charge incurred on account of tweeling expanse. Under the local of succedimenses and contingent charges is included intermining month matting tenders for the surply of data's A₀ to the early hospitals at the presidency, monothing the first of the first of the superior of the first of th expenditure under miscellaneous and contingent charges amounts to Rs 40 or a little more than Rs 3 per mensem

Dr W H W Cornel FRCS Suntary Common somer for Madray

(a) Stat onery is supplied to my deputment annually from the stationery office on indent, the average cost of which for three years was Rs 275

(b) All the painting woul of my department is done in the Government parting press, the actual cost of which I'm anable to give, but I may state that it is done with the least expense pos sible nothing I at what is not ally necessary to be printed being sout to the press, such as my unual report, monthly proceedings, blank forms of returns and saintary reports for dist mution, docket ships and blank forms of covers

also Rupees 300, includes pryment for postage on insufficiently stamped and unstamped covers also of which a great number is received in my department from mannerpalities, &c. (4) In pees 20

(f) As peer 20 (6) Rujees 2,000 for sandray commissioner and establishment (f) Bug es 100 (b), (d), (d), and (f) are the minimum anothoned budget, allotarents, and cannot be reduced in any The average annual expenditure for three years was (e) Re 285, (f) Re 20, (e) Rs 1800, am way The and (f) Rs 87

Colonel J W Redecat Control let, Müslary Accounts Modeus

- (a) Statemery is obtained on annual general undent on the supermtendent of stationery there is no each transaction, nor intimation given of the value of quantity indented for
- (b) Pauling is done at the Government printing office. There is no debut agreest the department for the value of work executed.
 - (c) Pastage according to past actuals averages Rs 180
 - (d) Telegraph charges average Rs 110 (c) Travelling expenses There are none, except of an exceptional
- when an officer is transferred from one presidency to another nature (f) Miscellaneous and contingent charges average its 90
- No unnecessary expenditure is incurred

- (a) Statemery This is supplied by the superintendent of sin-tionery, and there are comes prently no creak transactions Pay Examiner, Madeut Printing work done at the Fort Saint George Gazette Press No
 - cash transactions
 - (4) Postago—Es 2,835 Telegraph charges—Rs 228 8 0
 - Trivelling expenses-Asse Mescellaneous and contragent charges-Rs 1,110
 - These charges cannot be reduced. They repe cut in the stome of sixtenery, proting and postage, not only what is required by the some conce for its own use but also much that is required by the same generating the same of the same generating the s ally in connection with forms, books, &c , supplied grates according to regulation

eer of Cross war st, Cloth ing and Stud Accounts Hulens

As regards (a) and (b), information not available from this office rocords

Cost for il a past year,

Rs 219 11 0

19 0 0 Mel (c)— , No. 14. 10 (f)— ,, 218. 14. 10 No reduction appears to me possible

Examine ef Ordnance Accounts Madris

- (a) Statemery Rs 253 The supply is received from the Government stationery office
- (b) Printing Rs 200 11 0 The forms required by the office are printed at the Government Graette Press, and a small portion from the press attached to the office of the inspector general of ordninge and magazenes
 - Postage, Rs 98 11 0
 - Telegriph charges, Rs. 1 Travelling expenses, and
- (j) 1878 79 Miscellaneous and contangent charges, Rs 09 8-4, actual of

But Rs 200 are budgetted for this purpose, and this sum is absolutely necessary to meet cost of repair of furniture, renewal of cloth covers, &ce

ner of Medical Accounts Heaten Modera

of Moderni Fund

- Stationery, obtained from Government, cost unknown
- Prating, performed at Government press, cost not known.
 Postage, Rs 60 per annum
- Zelegraph charges Rs 3 per unnun
- Mescellaneous and contragent charges, Rs 164 per annum These charges cranot be reduced (a) Sixtonery is obtained from the Government stationery office-
- eost not known
 - Printing done at the Government press office-cost not known
 - Postage, Rs 11-12 per annum and (d) A i
 - Miscellancous and contangent charges, Rs 25 13 per annum I de not think any reduction can be made in these charges

Fram ner of Medeus Middary Funds Aerounts Madras

Accounts, Madra

- (a) Statemery is supplied from the stationery office, cost not Lacora
 - Printing is executed if the Government press, cost not known. (b) Postage, Rs 70 per amnum
 - Nit
 - H_{il} Miscelleneous and contingent expenses, Rs 90 per annum These charges cannot be reduced

Military Accounts Dep (Accounts Branch), Madras Accounts Department

- Stationery, Rs 970. Printing, , 681 , 300 Postage, " 300 Telegruph charges, Rs 285
 - Traveling expenses None Muscellaneous and contingent charges, Rs. 310

These are actuals of the past year No reductions appear forsible in the above tems Telegraph of a ges usually average less. The Cabul Expedition has

mercased them this year

Presidency Pay Office Madras

(a) Thus is included in one general man il indent for the whole of the m ht my accounts department subm tied by the controller

(i) This is all executed at the Government printing | ress

(c) The expenditure for postage averages Rs 50 per mensem Frity rupces will cover the mn all expend ture under this head

No travell ng expenses are neu red on account of this office

(e) (f) M scellmeous and contingent charges Its 10 per measem (with an additional annual outlay of rupees eighty fo b ndong the records of this office) would suffice to cover these. It does not appear possible to be able to reduce the sums mentioned above

The ranual cost is as follows and cannot be reduced -L entenant-Colonel merintendent and Agent, Army Clothing Madres 416 18 6 190 0 0 G48 0 n 40 0 None 382 0 0 The above are not capable of being reduced

Brigadier General P W Jobb Adjutant-General Medras

Biatro ery -Unknown stationery indented for on the stationery office without payme t

(b) Pr ting -Unl nown most of the pr ptng done at the Govern ment Gazette Press the rest at the Lawrence Asylum Press Bills adjusted by the pay exam no

Postage - For the last officeral year the postal account amounted to Rs 1 860

Tolograph —For the last officeral year the telegraph charges amounted to Rs 1 874-9 Provell 1 g cape uses -No travelling expenses other than those mourred for the annual tons of

mspection (f) Muscellances and content of the last off only on amounted to Rs 215 8 9 over (c) and (d) are dependent on the requester of the service. No reduction can be foreseen. A possible reduction of Rs 50 might be looked for but this depends on the number of bearing

covers received and unexpected charges Beat ng covers were received from Malta and Cyprus Major John Frang Officesting Quarter Master General Madras The cost annually of-Rs A (a) Stationery 500 0 0 (b) Punt ng t Pustage 1176 0 .00 n 0 (d) Telegraph charges (e) Travelling expenses 2 192 5 0 736 8 K (f) Mascellaneous and contangent charges JS5 11 5 No red tetron can possibly be effected in the above charges For drussonal ofh es see repl es to question 6

Colonel 1 P B Sheeard Judge Advocate General Mod 5

 R_{t} (a) Stationery 125 (b) Printing (c) Postage 120 (d) Telegraph charges 90 (c) Trueling expenses 1 000 (f) M scellmeon, and contingent charges 150 Tley cannot be reduced to any uppree al le extent

I cutement Colonel 36 Willoug by A ting Commissions General Bombay

(a) Statueners -At twenty execut ve sia izons and agene es 4803 6 8 Presidency Commissar at Office to Multa Lapedi Commissar at tion Afghan operation s 1,296 14 4

For hospitule at 18 executive 11 stat one and agencies 2375 6 2 Total 8 475 9

Rs A P

(b) Printing 12 910 0 (c) Postage (d) Telegrams 4 073 0 0 6 780 0

(e) Tavell ng 1845 0 0 (f) Miscellaneous and contingent charges including stat onery 6 095 0 8

The cost in 15"S 79 is given below -

And I do not see how the charges on account of above heads can be reduced. A personal allowance of rupees muchy per measure as allowed to the comme sary general to pay for the stationery, book bunding and petty office and it is doubtful a hether any approach is saving book binding and petty would result by withdia and other contragene es and supply ng him with stat onery, allowing him to

Mayor General W S. Hetch In species of General of Ordenzes and department in the press loney — Magazane Bentasy The following is the average of the past three years for the whole

Rs 2 624 4 5 110 10 8 2 268 9 4 197 8 0 4243 0 Ð 2 405 À

I do not see any probabil ty of reducing flese

(a) Statuters - The average unusual cost for the past five years to Deputy Eurgeon General J M S Fero Official og Sargeon General Brotish Fortes Bombay Rs 155 6 2 (b) Prints g-The average annual cost for the last three years is

Rs 3 957 (c) Postage -Annual cost Rs 200

(d) Telegraph of arget -Annual cost Rs 100 (e) Travell ng expe see -Travelling expenses of the surgeon general s tour of inspection Rs 500 f) Miroellancone and contragent charges

 R_3 Binding records 80 Punkha cool e 117 Rs 307 Repars to office furniture 50 60

Petty expenses Surgeon General W G Hunter dan Moderal December Indian Bembuy Department,

Stat enery is a pplied by Government through the superintendent of statemery on indent. The cost is not known to this office Prating for caval branch of the office is executed at the Govern

ment central press with previous sanct on of Government for the military branch at Education Society's Press

Postage costs Rs 500 per sonum (calculated on three years)

Telegraph of a ges Rs 66 per annem (calculated on three years) Travelling exponses are not mounted by this office

Muscellaneous and contragent charges cost Rs 1.5 (calculated on times years)

The e charges are at the los est possible minimum. The strictest coonemy is exercised with regard to them and no reduction is possible

De John Lom do no Saminry Commun oner Bombay (c) The mean of three years for the san tary commun oner's off to us Rs 2°7 and a two years mean for the district offices collectively is Rs 870 Fo the cutiro department it may be taken as about

Rs 1 200 a year (b) The mean for five years is Rs 2 748 The mean for three your is Rs 2 189

(d) These are included in postage (c) The suntray comma stones has a budget travelling allowance for the year of Rs 3 600 but the unexpended balance lapses. Acts I expenses meaned are only charged for Each deputy somiting the unrepended commes appearant pages. According to the marging of early energy of moving by rul. The other method but the personal allowances for the day is deducted. It is solord nates drive method but the personal allowances for the day is deducted. It is solord nates drive methods buttle and actual rulewy fines when meaning by rul. The eather each is about Re 15,000 per annum

f) The mean for three years is Rs 2019

I cannot see how the charges could be reduced without impairing effic ency R_5 L catement-Colonel D B Tours-Office a mg Control or of M I tary Accounts Bembay (Controller's Stat overy 485 Prat ng 6 170 Postage 250 Telegraph charges 200 Travelling expeases 156 Miscellancous and contingent charges

The amount of printing melades work done for the accounts branch of this office, on which devolves the supply of all printed forms of pay lasts and general states for the army and of pay abstracts bills remittance rolls transfer messpis, cheques ac ased in the military pay department as well as the forms required for is own use

No reduction is pricticalle, the expenditure under all the above heads being already carefully controlled with a view to economy

Major W Perrevu Frammer Pov Dej svim ut, Bomboy Fire annual cost of-

Rs (a) Statemery is (b) Printing (c) Polinge 400 697 673 (d) Telegraph charges (c) Triveling expenses Art (f) Mrccellaneous and contragent charges 1 462 and are not susceptible of reduction.

T. ontenant-Calonel D B Young Offic ating Controller of Military Accounts Bombay (Pens on Pay master's Office)

	r daing	1,0002	None and
	Rs	cm c	tiet e
		Rs	Rs
Stationery .	138	100	72
Ponting	50		59
Postage .	SI	111	47
Pelegraph charges	10	10	
Fravelling expenses	900	1,460	1,707
Miscellaneous and contangent			
charges	319	75	112

No reduction in these items of expenditure appears practicable They are all subjected to a rigid examination in the audit office

Major M A Rowlandson Exa m ner of Comm sarent Cloth ng and Burnek Accounts Bombay

- (a) The average annual cost of stationery supplied by the stationery department is Bs 257 (6) The annual cost of printing is Rs 834
- (c) The annual cost of postage is Rs 587

(d) The annual cost of telegraph charges is Rs 46

4 q A

There are no travelling expenses menired by this office The unual cost of miscellaneous and contagent charges is Rs 505 This amount does not include charges for peous' clothing, which are meuried bicumally, and amount to about Rs 41 1 4. exclusive of the value of broadcloth, which is obtained from the superintendent, army clothing, nor for office furniture which is puchased when relately necessary to replace a toles worn out.

The charges under the above heads are the lowest it is possible to mour, and cannot, I believe,

be reduced

L'entenant W.R. L. Anderson in charge Ordnance Examiner's Office Hombay The annual cost in my department is as below shown, for-Re (a) Stationery (b) Printing 481 585 Postage 400 (d) Telegraph charges 7 Nil (c) Travelling expenses (f) Miscellaneous and contingent charges 445 All these charges are corefully kept down to a minimum, and no reduction is feasible

Rs Surgeon Mayor P S Turnbell D. Leanmour of Med cal Accounts Stationery 52 Pinling 97 Postage 175 Contingent charges 160

No the amounts given here me based on the average of the past three years' expenditure meurred notwithstanding the exercise of the utmost possible economy

 $R_{\bar{a}}$ Lonteumt-Colonel D B Young Officesting Controller of Military Accounts Bombay (Accounts Stationery fobtained from the superintendent of sta 252 tioners) Po nting 9.9 R 1,200 Postage Telegraph charges Travelling expenses 120 Λil 1,200

Birscellaneous and contingent charges No reduction can be made

The miscell meets contingent charges which appear high, include coat of new and repairs to old office framture, also charges for bushing records

Capia a H Cowper Pres dency Paymaster Bomber

- Re (a) Stationery 320 (b) Printing (about) 460 (c) Postage (d) Telegruph charges (e) Travelling expenses 2,250 125 $N_{2}l$ 950
- (c) Travelling expenses
 (f) Viscellineous and contingent charges These several items cannot be reduced

Colonel J Thacker Super atoma ent Army Clothing Bombay

- (a) Stationery, Rs 255 11 9
- (b) Printing, Rs 779
- (c) Postage, Rs 315 2 6 (d) Telegraph charges Rs 54
- (c) Travelling expenses, nel

(f) Office contingeneres, Rs 108 G G, miscellaneous, sil The above charges are the actuals for 1878 79 They do not seem suscept ble of reduction The printing charges may uppear herry but numerous forms in daily use in the factory as also ledges and returns, are printed off, and more than their equivalent is saved by the curtailment of clored

Br goder General H F Brooke Adjutant General Hombuy Cost of statumery—Rs 513 0 3 Cost of printing—Rs 15 50 1-0 a Cost of postage—Rs 1,797 12-0 Cost of telegruph charges—Rs 9,044 14 0 Trivelling arpenes—Rs 1,374 3 0

Miscellaneous and contingent charges—Rs 533 to 11

The charges given above were those actually meaned in 1878 79

It is considered this it my reduction be mandamble, it will be due rither to the actual require mosts of the public service from time to time, than to the citiest of departmental control however regularity executed. These requirements are too variable to admit of uniform economy, but as n general rule no outlay as permitted unless absolutely warranted by the arrangements.

Brigad or General G Burrows Quarter-Master General Bounbay

(c) State very—Received from Government, annual cost about Rs 1 400
Drawssy staral—Received from Government, annual cost about Rs 1,100 This includes the supply to all drawsonal offices in the

Bambay command

(b) Pru tang—Done at the Education Sometr's Press under contract with Government, annual cost about Re 5 130. Its includes for the whole department.

capable and displant was The electrons can be made. The expectation of paper is legal down by the first paper in the capable and the capable was The electrons can be made. The expectation of paper is legal down by the first paper is one office on the course of mural helens, and by enclosing vil dominants sent to one office on the same day no non-ever. This also lesses down the posted danger. Under president paper is not better than the capable of the course of

burrack department, and sanitary reports

Colonel C C Maude, Judge The one
Ad centr-General Poins

The annual cost of-

The unnual cost of-		
(a) Stationery	687	Rs 70
(b) Pentug (c) Postage		None
(c) Postage		CO CO
(d) Telegraph charges		46

(e) Travelling expenses and contingent charges 246

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Dr. J. M. Conneighest Sun key Consuces once π th the Go warmout of India	1 4 F	infiry at , for statistical branch become (ri, 2 for head office, tacal branch and 1 for species office) th observations and the special	L for sta Lessista	tis its	per measem
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Mayor O. B. Acemental Acestral not General Military Department	They are as follows — Bs 1 dulty 10 per mensum 1 years of poons 1 poons 10 years 1
Colonel B Walton Supernstead ent and Agent Army Clethung Bo gal	Total 106 Temporary for Sunks— 1 chord of 760 5 months dwing the winter when the office as at Celevita 0 per measure 1 sweeper for 7 months 5 2 This question is answered by No 10 The whole establishment above in this statement
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Colonel C C Johnson Off enting Quarter Muster-General in

1 duftry 16 peons, I blustie, 2 sneepers, at Total cost per annum, Rs 2,508

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Colonel A H Murray Deputy Adjutant General Royal Artiflery m ladia,

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1 sweeper, at I would here remark that I am not allowed a chen kidar Ra 12 per mensem

Colonel J Toung Indge Advocate General Bengul

1 duftry Rs 8, and travelling allowance under old rules, Rs 4 ditto 3 meens at Re 6 I frash 1 chowkidar I sweeper

F P Collins Esq Principal Va termany Surgee: Bengal Army

A lend clerk on Rs 60 using to Rs 90 per mensem paid by Government An assistant, when required from press of work, Rs. 10 permensem, paid by the principal veterinary surgeon one chaptersee Rs 8 per

Major A S Hunter Director of Garr son is struct on an India

mensem paid by the principal veterinary surgeon There are mone receiving Government pay

Major H J Hallows Inspec-tor of Gramman in India Major F W Duan Superia tendent Br tish Army Schools

One clerk on a monthly pay of Rs 50, one chaptasse at Rs 7, one sweeper at Rs 6 I have recently made application for a peon as at present I am compelled to maintain at my own cost a servent to do the work of

Mayor F H March Superint tendent Native Army Schools Umballs

a Government peop No servants are allowed for this office

Celenal R. A. Moore Ac Comm seary General Madras Actual There are one head peon and six peons at ached to the commissing-granula office. Then duty is to go with manages, and curry druits and lotters from the clocks to the officers and from the officers to the elerks, also to deliver letters. For cleans g the office and also the office of the executive commissional officer and storekeeper general, which are all in the same limiting, one sweeper and two toties are employed

Calonel S H D Cham at an el arge Orduneco Department, Mada as

at Rs 10 per mencem 1 mochae 1 R 12 11 1 peon ,, 5 peous ,, 22 2 " 6 ,, 2 5 37 35 I totie 22

Surgeon General C A Corden M D C B., Pris cipil Medical Offices British Focces Madria.

at Rs 128 per mensem 1 manager 1 head eleck 17 1) 1 clerk 50 , 1 do 45 đo 1 30 . do 25 *1 2 do 20 de 15 I mochie binder ,, *1 4 peons 22 1 writerman 18 22 1 totte ð

Total Rs 4SG 8

Of the above 1 cles 1 and 1 peon are employed with the surgeon general at Cotremund during his stay there. The pay of the office establishment above enumerated admits of no reduction. The part of clerks on Ro 15 per mensem is so small that manufactely they acquire the contine of office work and become useful they are anxious to be off elsewhere to

better themselves If forced to remain they are discontented if allowed to depart, the office suffers No reduction can be made in numbers which are clusely too small. Many of the deries perform word at home after office hours, and not a few of them break down from over

	non	ne affer office bours, and not a few t k	or them break down from over
Dr H R Osw	ald MD Act		Rs A
Dr H R Osw ing Surgeon Gen	eral Indian	5 peons at Rs 7	35 0
Medical Service M	adras	1 sweeper and water woman	3 8
		1 totae	5 0
D, WHWCo	en sh Samilary		Re
Comm suoner for l	Mattes	1 manager	120
		l elerk	50
		1 do	50
		1 do	85
		1 do	80
		1 do	30
		1 do	25
		1 do	25
		I mochie	10
		3 peops at Rs 7	21
		1 sweeper	8
		-	
Colonel J W troller of Mulita Madras	men	Four poons at Rs 7 per measen memal servants are attached to wi at under the pay examiner, and a fler and pay examiner	bat is called the general depart-
Pay Exemune, I	ladras		Pay per mensem
			Rs A
		1 head mochie	15 0
		5 mochies at Rs 11 each	55 0
		1 head peon	8 0
		8 peons at Rs 7 each	50 0
		1 sweeper	8 8
		1 mether	5 O
		_	
		17	
		Total per mensem	142 8
		m., 1	1 210 . 0
		Total per annum These have been reduced to a mi	1,710 0 nimum, and no further reduction
Trammer of	COU	ld be effected without detriment to	the public service
Examiner of Clothing and S	lud. Accounts	S mochies (2 at Rs 12) (1 a	ERS 10)
Madras		2 peous at Rs S 12 3 do at Rs 7	
		1 tolic at Ra 3	
		2 sweepers at Rs 3	
		8 punl als pallers at Rs 4*	
		2 tattie vater men at Rs 3 a	8 *
		W WAREN CARROL PARTY OF THE PAR	•
Exammer of Ord	павое Ассоция		Rs
Madras		I head machie	10
		1 ass stant mochic	8
		1 herd peon	9
		5 peons at Rs 7 each	35
		1 water woman	4
Examiner of Me	dical Accounts	The servants are four in number, ve	. ⊶
Madras		1 mochue	Rs 12 0 per month
		2 peon	, 70° "
		1 sweeper	, 1 8 ,
		1 totae	, 18 ,
		Total	,, 22 0 ,,
Eramore of Account Madras	Medeal Funds	One peon on Rs 8 per mensem	
Exam ner M	dras Mulitary		Rs
Funds Accounts 1	embris.	1 mockee and bool bunder	11
		2 peons (each)	8
		2 peons (each)	7
		1 sweeper and totte	4

	(1287)	[Appendix IV
M'lutary Account Department (Account's Branch) Mindras	E ght servants as follo vs — Two moel use at Three peoms at One peon at One sweeper at One tothe at	Rs 10 7 6 31 5
Presidency Pay Office, Madras	These number in all eleven with me aggrega 1 record keeper 4 peops at Ns. 7 per mensem crels 2 n ght poons at disto 1 succepts 1 tote 2 mechas at Rs. 7 carh	te pry of Rs 76-4 Rs A 15 0 28 0 14 0 8 8 1 12 14 0
L'enfemant-Colonel A Servic S'pérantendant Army Cletking Méd as	The servanis stinched to the office are as fell 2 duffinder (poin) 4 people vi its 7 1 module 1 do	76 4 Montbly py Rs A 10 8 28 0 10 8 7 0

B gadier General F W Jebb Adjutani-General Madras

I totae 88 8

There are two mechaes, one on Bs 16 and the other Rs 10⁴ per measure. Two attendants or press on Rs 10 and. One totae Rs 5 One waterman or sweeps 18s 4

8 8

Three officers punkah pullers throughout the year except when officers are on tour. Four office punkah pullers for four months in the

Major John Ers ng O'hs at og Quarter Musice General Modras year Thous are one tohe and one sweeper whose pay per annum is Re 108. There are bender one track and ten breams of the camp ean page-department emphysed in this office as messengers in the place of point. I have total pay per annum is Re 944 which is drawn on abstract of the

Colombi G P B She well Judge Advo ste General Madras

7	Rs A	P
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	7 0	0
l pron	8 8	Ð

Louiseant-Golonel M W
Whenthis Artise Commissory
paper I under the head Comm seary General's Office

Major General W S Hetel Importer General of Ordmanes and Magazines, Bombay

In the ordnance office— I havelden at Rs 8,

само едираде ферок.

1 waterman

4 peons at Rs 7 each all employed as messenge s Up to the date of my ponning if a office three lascars from the Poens are sat were employed as orderine but they have been sent hed to duty in the risonal

In Bombay seemal there are five peons. None of them can be dispensed with

There are none elsewhere in atsenals Gun currage factors I as 2 peons

Gun 10 rdei factory has 5 1 cons Small arm aumunition factory has 2 peons

Depaty Surgeon General J. M. B. Fogo Offic ating Surgeon General British Forces Bombay

Number of office servants and their pay are, eight clerks and two

ions	
	Annually
	Rs
Herd elerk	1 800
2nd do	760
3id do	000
4th do	960
5th do	600
6th do	480
7th Io	150
8th do	150
Two peops	168 (exclu
sing of gran compensation)	/

Dr W C H is MD Surgeon General It dan Med cut D partment Rombay

low peops at Rs 7 per measure Two peops at Rs 4 per measure One punkha puller pand by day (annas 6 per diem) As follows -

The number of sepoys is madequate, and they are poorly paid on which account intelligent and smart sepoys cannot be had. In other Government offices, such as the semeturits (general nevenue &c , &c) and in the sanitary commissioners office, they are paid from Rs 9 to 10 per mensem

Dr J Lumsdaine Sanitary Commiss over for Bombay

	R	
1 havaldar	. 10	monthly
3 реова стећ	(, ,
q -	{	٠.
Monthly cost	61	,
Annual	732	

A certain number of these men necompany the sanitary commissioner through the districts, in fact when he is on tour, one or two only are left at the office for order uy office work

Leastenant-Colonel D B Leang Officating Controller of Military Accounts Bembay (Con-troller's Office)

ervants of the office-	
	Rs
1 Nad	8
3 Peons	7 cach
1 Ferrash	7

* Confroller of "I l or Accounts Besides these there are the following for the whole building and offices" recommodated Econ or Commo named and Cle I any Accounts Fram or of Ordannie Accounts.

Frame or of Decire Accounts.

Framework and the Accounts of Common Accounts of Common of Com therein -

> Rs 1 Conservancy havildar 12 1 Usher 9 2 Sweepers 1 Halalcore 7 each 18 1 Halalcore puchallie 5 1 Blustie to supply water for clean 2 ing latrines 1 Nul of police guard 7 Police watchmen 7 eagls

Five servants attached to this office, viz -

Re 8 1 havildar 7 2 peons each Ġ ditto

all of whom in addition to their pay, receive grain compensation for dearness of provisions as unculisted followers at an iverage of Re 1 13 per mensem

Presidency circle 2 peons at Rs 7 cach Poons " at , 7 Southern Konkan circle at

There are five servants only attached to this office, w --1 nail of peons

4 peens The pay of the first is Rs S per mensem, and of the others Rs 7 erch In addition to then pay they receive compensation for dearners of gram, and a suit of clothes every other year

Attached to my office there are three servants, as below-

2 on Rs 7 end monthly 1 on Rs 6 monthly

Two peons at Rs 7 cuch per mensem

l nal Rs 8 I peens Rs 7 each, with grain compensation in addition

The servants attached to this office are one havildar at Rs 10 one nal at Rs 8 and see peems at Rs 7 each per month also for punkin puliers engaged when necessary, at from four to see murs per diem, and one police rimosic at Rs 11 per mensem

As follows -I havelder of 1 cons, on Rs 10 and compensation for decrees of gram

Major M Person Examiner Pay Department Bombs;

Lecut Colonel D B Young Ofic ats g Controller of M I tary Accounts Bombay (Pens on Lay Master # Office)

Major M A Roulandson Familier of Commissar at, Cloth it and Barrack Account's Both key

Licutement W L R Ander on n clarke Ordnauce Leaumen s Office Bombay

Surgeon Vajor P S Turnb B, M D Examiner of Medical Ac-counts Bombay

I cat Colonel D B Young Off, Controller of Validary Accounts Hould Accounts Branch Caple off Comper Providency Payn a ter Bombiy

C ton i J Tlacker Super a

2 poons on Re 7 each and compensation for destroes of provisions 1 assecution of banarils on Rs 11 data

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4 brunds on Re S each datto (fretory and stores)
                                      1 humals on Re 10 evels (fretory and stores)
                                      I fire engine lasear on Rs 10
                                     1 day and 2 meht watchmen on Rs 11 each
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  Beigndser General
                    Ħ
                                    10 peops
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Brooke Adjutant General Boan
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Quarter Master General Buisdon
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                                     l pressura
                                     1 sweeper
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Monthly rate paid by No blast es water being had on the premises Government to ungation department, Rs. 7 18 0 Colored C O Mande Judge Four peens at Rs 7 each per mensem, or Rs 33f per annum

9 Detail briefly the office procedure, and trace the course of a letter received in your office, in its passage through the office, and of the letter or memorandum replying to the first mentioned letter until your departmental reply issues

Colonel I I Willes Commissary Grueral Bengal

Adversie General People

A letter on receipt is docketted and registered, the provise letters quoted in it are puls up, after a lack at a given to the clerk to whose section it belongs. If the case is one which can be dealt with by the chick with the and of regulations, precedents, &c he drifts a reply which is submitted for approval of the commissary general. If the case requires an or muon or orders from the commissary general, the clork case regimes an of most at order to the case in a commission general, the contraction of the papers which base bearing on the even of opinion being recorded or orders being present the case is again given to the elect of the section will a drafts on the rains to the draft is submitted for approval On its being approved it is fur copied and issued The procedure as the same with any other letter replying to the first

Mayor General \ Complett a.s Offic at ag 1 spector General of Ord once and Maga uses Bengal

Letters on recent are opened at Calentta by the deputy impostorgeneral of orderings and al Sanly by the assistant to the inspector general of ordernes

At C leaths a letter received as instrilled and dated by the deputy inspector general of ordinance, who records his orders on it briefly and sends it out to the registrar who, after noting the name of the chal-

whose business it a forder's with it sends it to the record Leopes The record keeper silver enterings it in his ensecutive druy and giving it is subject kerding, hands it over to the associant of the close to which it belongs, she conto a sa "definite" of the subject in his durry, pairs up the previous enrepositiones on the same subject (if there be ann), and returns it to the record keeper, who may members it leaks through the pupers, and, if corner, attends it to

the ele 1 to whom it is assigned by the registrar The cled city with the resignator was expensive.

The cled city with the little free extending its the rules of the office and the provious pages and such as that a memorandom of the proposed action on it to the copy to a local to the copy and to the copy and the to the copy to practice opened of columns fire appears). After appear to the the deep transection general a death reprise in framed and submatted for appears), and after appears in it is fur-copyet, speed, nn l desputehed

The letter and the rough draft reply after the letter I as been dated by the despatel or are cent to the record degratment, where the draft is entered in the dains, after which both are put in and recorded with other papers on the suspect of there be any

Generally, all pipers are dealt with as above in succession as they are received, but priority is of course given to subject of importance requiring immediate effection.

At Simla the assistant inspector general, after opening all the letter received, submits them

to the magnetor general of estimates pointing out my requiring early difficult in.

The impactor general of estimates pointing out my requiring early difficult in.

The impactor general installs and duties them, and proving his orders briefly on them sends them
out to the office where they are dealt with in remeat at the runs winner as detailed in the proceeding. paragraphs, except that in the first instruce their are sent to the sensor elect. Present instead of to the

register) as at Calcutta, and the drafts are approved by the inspector general.

At Simila in consequence of insufficiency of the number of clerks, there is no require a conkeeper. The senior clerk performs the duties of the record keeper in addition to his own

Matters of mere routine we disposed of at oncoun the office, both at Calentia and Simia, under the registers of the senior clerk. Rough drafts of all letters of unjoytomes are submitted to the inspector general at Simila, and to the deputy inspector General at Calcutta, for approval before fair copies are prepared

Surgeon General J. H. Ker Inner British Metheral Department and Principal Metheral Officer, British Forces in India.

The office is divided into two brinches—the General Branch under the secretary, u here relumnistrative, medical, similary and other ques-tions are dealt with, and the Statistical Branch, in which the compilation and preparation of the various periodical and other returns and reports

The post letter are opened by the secretary and statustical officer respectively

General Branch

The day's receptions entered in the darry, the persons papers, if any, are countermarked and pat up, they are then dayded and "dibbles,—appear solving to internal economy of hospitals and the subscriptor motioned depertures to the resolventy at inched to the office, these effecting motions to include offices, spheadons, &e, to the cleak in charge of the method officers' rester, the rest hone; eternal by the chief cleak.

In ordinary routine cases, drafts are at once prepared and submitted for approval by the above, in

the more important cases, notes, memoranda preess (when the correspondence is voluminous) are but up for onlers Approved drafts, and drafts tent in by the secretary and surgeon general are fured and noun bered by the convists, examined, and after signifier, are issued by the despatcher

Indexes or regreters of receipts and issues are posted from the diary

The copyests usest in the putting away of papers in their illotted places

Malistical Branch

The day's receipts are distributed by the clerk in charge to the compilers of the various returnsunual monthly, weekly, &c , to be cheeked embodied in the general returns, or returned if measuret Correspondence relating to subjects dealt with in this limited and referred to above is tall on up by the elerk in charge who submits drafts for approval or notes for enders. Approved drafts and that's sait in by the statistical officer and surgeon general are copied and numbered, and issued after signature by the dispetable:

Correspondence with the officers of the department are conducted by the statistical officer direct order," but all correspondence with heads of departments and the authorities are recorded and "by order, registered in the head office of general branch, under the signature of the surgeon general

Returns are compiled, for copied, &e, by the chals respectively allotted for the several returns and the statistical and sanitary reports drawn up by the surgeon general, secretary and statistical officer are also prepared for assue in this branch

A nguna General J 1 Bration M D ludern Ved cal Scrute Bei god

The fost is opened by the secretary on rouching office. That pertion of it which requires no further procedure is docketted and filed at once. The remainder is noticed in this way. The secretary sends

the letter down to the head assistant who glunces at it to recognize the contents, and passes it to the moderer. When he has entered it in the bools, this next transferred to it o record I copes, where this is to attach it to its proper file in its proper place, and, after circular para of, to odd them to all references quoted a precedents bearing on the subject—in short, to prepare per 4, to void home to all electronics quoted on precedents bearing on the subject——a sairt, to prepare in the orders. It is then reshmitted to this had assenting the as reporting its disposal which is report upon a reporting the disposal which may report upon protect. It is then early to the case to make, a boc examents in adeal, and if complete, present to the surgeon general, also generally writes has orders promptly on the back of it. This is then rimned to the follow, of a daily memoration or copy property, which is separal consistent of comproved by the execution, and feasibly, the fair copy as reader and put up to be agued.

The fair copy is that given to the dispetcher, who has to read it cancillity and to see that all

instructions continued in it are obeyed, such as attaching original or copies, icturning reports, &c., i efforcible envelope is closed. The record file, with the draft memorindum and any other documents which belong to the case and have been retained by the office, is meanwhile restored to its place in the

rank

Dr I V Congham San Bare Course somet with the Government

The letters are all opened by me They then go into the office to be docketted and have previous papers and references put up On return I contents and may previous papers and executives put up On leveral the right was the type in one prequent of, writes codes on which the raphy as drifted. It then somes Occountilly, it is wit stable to consider the statistical officer of the open it weathout. This is shown demolficially, and much ear in delay, except the time which it takes a segment the latter, for a letter to go to Chloritz will had. Great put of the office work, however, consists of unofficial references from the Government in the Home and Military Departments. The files are sent for opinion, and a note written and the file returned

C rel'T B Harrest Controller cf M to s Accounts Bragal

On recept a letter 16-(1) O₁ rand and read by the head of the office
(2) Registered

(3) Docl etted

(1) Indexed Ϊij Constituted for all previous correspondence connected with the matter of which it treats is paten ich ich

(6) The picket aften made over to the resident to the controller who work the for days at to the soil divi or of t e office to which the subject pertains

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suel repe t

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ant after copy is talen of the notes As ega de the other to cales on et in il o dere from the accomiant general and assistant accountant general a e again dult out by the chief accountant to the sentants concerned who dalt the requeste order I charethen a bon tied for appro al ti rough the s me ch much and after appre at re sent to the same sect on of the office to be cop of exam ned entered in the same register and despatched after a greater o

Celmal B Watton Sup d at a 1 Ag ut Army C mg

The rmy clothing department s both a f ctory and n effice. The department the ctory performs to ble d y of exist a and super ntendence. The closel north therefore h hip sees though be odice a consequently of a double kind—not only that contain a letter I is o k a detailed below

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plance find it s returned fo correct on The same con se is followed on its again being recoved m the off ce III -- is prised for compliance the made over to ile maste tale a department, who propies a request non fixed scale on the torced protected the normal portion of the cloth and mater it to complete

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miormat on a cloted t sput nto slape loofice nd epit to letter sent coording! nlo moe vas t inde ha facts i om published regula ons o Government letter n the unit tary deep timest, and prepares cell or fau es decuments accordingly. The details of dut es as per set ed to No. 10

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ARM CLOTHING DEP REVIEW }
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B WALTON C I 81d ad Ag A J C h g

[Appendix IV

Colonel T E Couper D rector of Army Remount Operations.

On receipt of a letter, I read at and pass at on to the office for registry and for previous references, if any, to be put up. The documents are then retained to me, and I draft a reply or resue the necessary orders. The reply is then written and copied in the book, and if the matter is of umportance, a separate bundle is made of the paper, connected with it, and all references are noted on the documents showing how the subject was disposed of

The above refer to matters of importance. In common cases the replies are drafted in the effice

J H B Hallen Frq General oper premiest of House Breeds g

The level elect attends duly at or alout 10 a w at the office of the general superintendent when all letters received are opened by the general superintendent and made over to the head clert, with notes as to the subject of the replies to be sent. The letters me then docketted

by the 2nd clerk, and passed over to the 4th clerk to be registered After being registered and numb red with the receipt or register in miler, they are brought brok to the 2nd clerk who chains them, by references in number, to former correspondence, after which they are sent to the head clerk, who, in accordance with notes reserved, makes out drafts of the replies. The case to the level cells, take, in recombined that meets Powerce, in the one circuit of the replace, which is east to be level cells of the case of

(1) Government of India and tary department.
(2) Government of the North Western Province. Government of the North Western Provinces and Oudh

Government of the Paugab mil truy department

Governor general's agent Rappulara Director of army remount operations

Assistant superintendent borse breeding operations, North Western Provinces and Rajoutage

Assistant superintendent, horse breeding operations, Panjah

Asserted superincectoring notice recomply oper companies of the Musclancount, controller of mintary accounts, accounting-generals of the North Western Provinces and Pupis, civil officers of all the distincts of North Wester's Frounces, Baputana and Punjah, officers commanding all the Native early corps &c

Major General Sir P S Lunes on x c.n., c.n. Adjetant den Ron, o Ge eral in Ind a

We will take a letter from Government sching for Commanderin Chief's of raion on some questria. On receipt the letter is sont by the chief elerk (who opens the dth) to the head cleri of the branch to whom the subject may appertuin (ride lasts of work, lealings) If

it refers to previous conrespondence the branch head clei! In it is the letter over to his record keeper and thereet (one man) who gots out accessors previous jupes and rerecord over to his record according to the control of the first the section of previous for the first times the latter with mercie propose to head elect. The first then sections exhibiting them, complete, makes them over to one of his clocks, who brings the contents of the latter on the precess doctes of the case satisfies up the letter at each of comparison, and then lands the papers to diarist. The drives enters the letter under its subject heading in drive noting is a catch at bottom of entry, the duty number of previous entry in same case, to maintain check hill a He dependers in a nominal index sheet, kept with the dans, the names of officers or men referred to in letter. He then writes on preces of letter the deary number he has given it. The care completed he hands to his head

The head cleal reads up the case and notes clearly on preces low it stands, quoting orders or preordents, and a iggesting action for its disposal.

He then sends it to the officer of branch who notes his remarks and quanton on preces, and sub-

mits the ease to adjutant-general

The adjutant general reads the percus docket (alueh in all even is a covering instory of the The diptint general reads the precise consists that in the 18% is a concern pricety of the matter from the beginning down to the letter we we followed; and refers to the compilation where necessary. He finds on consideration that the sulpcut were second to ell dispose of immedit, so it tooks has verse on precise in offers in the schedule, e. for sulmarries to Communities in Cline All papers from right integeneral are disherred to the clinic dual for distribution for and time the chief cited. In recensed the particular even maked the letter were following a navel of re-well him. He scales it to the breach efficient that he may see the orders preced in adjusting general

It then goes to branch had clerk, he hands it to the drawst, who writes' schedule 'opposite drary entry of case and sends it again to chief clerk

unity many on cases and section to again an observation.

The even is now bendly metted a talk offices by classic cleak in a printed form of register schedule and amburited by adjustant-general to the Commander in Classic III at Vendland, like every one shelp white is no first on the printing on the eye comes hard again. from the alignt art general to choof clerk to breach others to branch be defert, who has now prepared the draft reply for Government and sends to officer of brach who submits to all than general for approval. Adjustant general an ends or approved and the pressagement and their war to the branch where the draft is fine copied, examined and sent to others of b ands, who and also it is just and forwards to adjutant general for sign there. This done, the letter gues to branch where it is numbered,

To white the distribution greater where greater has been given been given to mean where it is manuscus, dette and departured to foregreen a with other drafts of the dry (every branch does this daily) to I reaches and letters, so that all mry know white at lang done throughout the other

Aft rescal than the draft is statched up with its ease (me do not make look copie of our letters) The land clerk then notes on proces "P" or D", a e, " jending" or "dejosit," and hands it to diarret, who makes in diary column a binef obstruct of the reply given to Government (our divines me indexes of recepts and review in educated parties undexes). He notice therein also 'P' or D' and pais anny in the pending of deposet along the formant year, the case contains in the Government letter we lare followed (Norm-The fotogoing follows a letter requiring His I cellency's personal orders. But of course

quite two thirds of our receipts we dryosed of by order of the adjutant general under regulation Important and speeral rations only being submitted to His Excellency

Nevertheless in hun leeds of cases the procedure desertled is lengthened and work increased when circular reference is made to departmental, general or commandia, officers, for opinion before final orders are passed)

Colonel C C Tel meen Offic at ag Quarter Master General in le dia

Office procedure-The quarter master general, as a rile, approves and signs the followmg papera

(a) All correspondence with the Government of India

(b) All refron on schedule cases (c) All danit general orders and erreulars

(d) All concepondence with Horse Guards (letters for Horse Guards are signed by His I xeelkney the Comminder in Ch (f)

(c) All correspondence with then Excellencies tile Commanders in-Chief and the quarter master generals of the Mudras and Bombay presidencies

Officers in charge of branches dispose of all routine cases clearly provided for under the regula tions or by precedent important cases, and ci es about which there is any doubt, are prepared and submitted is the orders of the quarter master general

Phe chief clurk performs the following duties-(a) He is responsible to the quarter master general for the discipline, system, and arrangements

of the office generally (b) The contingent expenses of the office, stateourry, issue of solaries, &c , &c , are supervised

by hum

(c) Ho is the custodian for the quarter master general of all confidential papers
(d) As personal assistant to the quarter masses general he receives all current cases for him,

and distributes the same to branches after orders have been passed thereon (e) He seemes and opens all official letters, and frames the dak for despatch by post

) He is the ordinary channel of communication between the office establishment and the officers in regard to all personal applications, lease, &c

The following is a brief outline of the office routine (a) The clust clerk opens the dal and sends it to the officers for perusal

(b) On setum of the dak the chief elerk males over the portions relating to branches to the respective head clorks who have the papers entered in their drains

(e) After entry and completion with previous papers, head charles of branches have the cases

Proposed for these components were previous pagests, access common as commerce may be one proposed for these components of the pagests for a gratiant one ordinarily admit which was eath day and are planted on the officers inholes so as to be ready for attention early next morning and day and are planted on the officers inholes so as to be ready for attention early next morning. Telegrams and ungent work, however, receive immediate attention

(e) All documents for the genter master general are ordinarily sent to the chief elect for sub-

mission in due course, but when necessary officers verbally receive the quarter-master general s orders (f) Cases relating to subjects of two branches are entered in the drames of both branches and

whon necessary submitted to the officers in respective charge before any action thereon emanates from (g) Used clerks of branches are responsible that all action is tal en on propers previous to their

being finally deposited in the record room (a) The dustis of each day after being indexed are carculated for the perusal of the officers, the chief clerk and head clerk of branches

Should any unpediment occur in the practical working of the foregoing airngements, head eleiks of branches provide, if possible, a remedy and if unable to do so, represent the matter to the chief elect

When there may be a sudden and special pressure in one brunch and in another a temporary slackness of work, such instruces are reported to the chief clerk, who is empowered to call upon any elerk to perform work additional to that which lies within his province under the branch system

The course of a letter in its pressage through the office and of its reply is is follows — It is opened and strupped by the chief cleik and sent, by bus with the rest of the delivery to all the officers for privial and return. It is then passed on to the head clerk of the branch to which it properly belongs, by him it is sent to the disrist, who enters it in his drary puts up previous papers, if my and let uns it to the head clerk of the barneb. The latter causes a pieces doel et to le prepared, writes an explinatory note thereon of necessary, and submits it to the officer of his branch through the chief clerk, who scrutimizes it before passing it on

The officer of the brutch writes his remarks or orders on the process docket and returns the case to the chief clerk to submit to the quarter master general for final orders, or pass on to the head clerk of the branch for action, as the case may demand

On receiving I acl the case the bend clerk of the branch arranges for the preparation of a draft of the action ordered, which he submits through the cluef clord for the approval of the officer of his branch, who returns it to the cluef clerk for final approval by the quarter master-general, if necessary,

or to pass on to the head clerk of the branch.

The latter on a recent of the appeared draft, sends at to the head Native clerk by whom it is given to a copyrst, the fair copy is carefully compared with the draft by the two European clerks, whose weekly duty it may be to examine the copy sits work, and is then sent by the head clert of the branch, through the chief clerk, for signature. After signature the chief clerk sends it to the despiteiung elerk who gives a number and dates it mail a the retion taken on the letter to which it is a reply on the precis-locket and upon any previous drufts there may be in the case, weight and ulfixes postage labels to the cover, and sends it to the chief clerk for fr nk, when this has been done the despatcher sends at to the post office for delivery, sends the case to the record mean for deposit, and the draft action to the indexer for entry in the index of letters written and filed

Coloud A. H. Murray, Deputy Adjustmt-General Royal Artillery in ladia

On recespt of a letter, it is stamped with the date of recent entered on a prees docket, entered briefly in the drary, and put up with all former correspondence or orders relating to the subject, and a short report to the deputy assistant adjust interest, who either passes orders upon it humself, or submits it for the orders of the deputy ad

The orders are then carried out by welcal. If a small matter the reply jutant-general, royal artiflery or whatever action is ordered is preprited for signature if a large matter the action is submitted in draft and if of sufficient importance the question is scheduled and submitted for the orders of His Dreellency the Communder in Chief. The reply after signifine is copied numbered deted, compared with the original, and despatched in the ordinary manner and the deaft or copy placed in the case

If no further notion is required, the case is deposited, otherwise, it is kept pending a reply, which when received is treated in a similar manner to the foregoing

Colorel J Town Judge 4d votate General Beneral

A letter received is first stamped and registered in the office books and subsected, with references or previous communications on the same subject to me for report or reply

The reply is sent back to office, and subject to me for report or reply The reply is sent back to office, and after registry is made over for transcription to one of the writers Both draft and fur copies are then given to the examiner, by whom the fair copy is examined and submitted for eignature. The despitcher then despatches it to the addressee

F F Colless Esq., Promapel Votenment Surgeon Bungul Army

When a letter is received in principal veterinary surgeon's office, it is entered in the inward register, also a process of its contents. The inswer is then drafted by the punctual veterinary surgeon twice copied by the clork, a press entered in the outward register the original is then despritched to its destination and a copy retained for filing in the office

Mayor A S Hunter Durector of Garneon Instruction in India.

Majer H J Hallower, Inspector of Gymnaso in India

A letter received in this office is docketted and registered by a clark, I then write the reply, which is finally copied and despatched by a clerk

Letters &c., recencel are registered by the clerk (only one in office), numbered and connected with merious papers, if any, on the subject. If the subject is one where a precedent crists, the matter is disposed of at once by a reply in accordance, which is duly entered on record, numbered and despatched, and the case filed among the office records. If the subject is

one requiring the number of forements, the node of procedure as follows:

1 or comple-"The includes of precessing the restricted in place of early almost a large during "I have been a procedure as follows:

1 or comple-"The includes of precess for restricted in place of early sharts?"

14 — Latter to quarter restor general from the office proposing the substitution of precess and despectated by clerky.

2nd -Roply from quarter master general calling for cost of proposed article (registered by clerk)

3rd -Reference to foregoing letter to clothing department, calling for a sample yersey, with cost (entered, noted in the register opposite reply from quarter master general, and despatched by clerk)

4th —Reply from the clothing department (registered by clerk)

5th —Replies to quarter master general's letter and forwards persey for approval (entered)

6th -Military department sanction received from the quarter-master general, also jersey returned

(duly registered and connected with previous papers) 716 - Jersey returned to obtiling department, with intimation of its introduction sanctioned

by Government (entered) Sti -Draft general order introducing the perseys forwarded to quarter-master general for final promulgation (entered)

9th -General order promulgated, number duly entered an ease, which is completed and deposi-

ted among records

Major P W Denn Supermitted The letters come mostly from officers commanding or from the sub-inspectors. They are handed to the office clerk to be entered and ent, British Army Schools docketted, and are then had before me The reply or forwarding I tter

is roughly se etched by me or the assistant superintendent and given to the clerk to work into an office draft, which on approval as fairly written, the office draft remaining for record Indents after entry and docket are checked with previous records by the clerk assistant, or myself

and passed by me, being then ferwarded either to the adjutant-general for final approval, or to the statumery office for compliance The invoices of articles issued on these indents are recorpted by communiting officers sent to

this office, checked with the indents, and passed on with the office endorsure to the agents for supply Letters referred to the adjutant-general are usually forwarded in original, a precis of the contents being kept as an office record. The replies of the adjutant-general conveying the orders of His Excellency the Commander in Chief or decisions of Government on points referred are retuined, and the substance thereof communicated to the parties concerned

Major P H Varsl Super nien deut Vairco Army Schools Umbalin

If the letter is regarding regimental schools, I refer to the cor respondence with the regument, its returns and the office record books. and answer the letter myself The eleck copies it into the letter book and despatches at

If the communication expects a normal school pupil, enquiry is made from the head master, his reply and the vernacular master of the sepay is sent me, if not sufficient I call up the student, ms ropy and any executar unseed at one spory as some as a new anisonated 1 call by the second, and origins on the picence of the local master, then that my roply, and mother the that or answer on the original letter received, which is then put away in its regeneratel the Other returns are examined by the List class of the normal school with me, to show them how,

when they are school musters, their errors will be detected in their returns

Examination papers are dealt with in ee operation with the examiner of Government normal schools. Punjub whose tests show that all normal schools are working up to the standard—the Umballs normal school as well as the end schools. The results are certalicates sent up to head quarters (adjutant general) for assue to successful competitors

Colonel R. A Meare, Acting Comm ssary General Washun

The letter on receipt is opened by the deputy commissury general. He mutuals it and make on it the date of receipt. The letter is then carried to the personal assistant who takes it to the dury keeper to le diamed It is then sent to the commissary general and after perusal returned to the personal assistant, who delivers it to the head elerk of the branch to which it belongs

The head clerk, with the assistance of the record keeper, collects all previous orders and letters bearing on the sulfect and prepares a draft reply. The letter with the draft reply and all the previous correspondence is then sent to the officer in charge of that branch, who passes the draft, corrects it, or re writes it, as may be necessary

The corrected draft with the letter and provious correspondence is finally sent to the commissary general for his approval. After being passed by the commissary general, the Iraft reply is taken to general to first approver. Assert come presents of view commencing generals, non-man copy to search who delives it to a copying cleik. The fur copy is then next for signature, and is aften words handed to the despatching clerk who numbers it and disness it. The district peoply is filled in the office as a recond, nusticed of copying the letter into a letter book.

Colone HF Crames a charge of Goldstein Department, 2005as and 10 30 a m to 1-30 F v and 2-30 F m to 5 of Goldstein Department, 2005as p v Om myrath at office of the deputy inspector general, the post is then to have not opened by hum. Improving the lefter sent on to the manager of the office marks on the better the section in which they have to be disposed of They are then that there is no the better the section in which they have to be disposed of manifer. They are then that their the section is the section in the section at the section of respondence on the sums subject from the record department, and takes the letters and correspond once to the inspector general or departy for orders, if such lave not been entered on them. On once to the inspector general or copying are owners, it seem have now some current on account or covering such orders, the hand of the seedon drifts in rapply, which is first absoluted to the nameness, then sent for upposed to the deputy, said effectives if necessary, to the suspector-general. On the dark being mit that a supposed a fur every is represent an the current department, which after agenture is sent to the despiticler for demands, by pean or post.

Surgeon General C. A. Gordon, M.D. G.B. Princ pal Medical Offices, Br tiefs Forces: Madris

All documents are indexed and numbered immediately they are received. They are then had before the secretary, who arranges and examines them. Each document, as examined in it once disposed of In the

ease of letters requiring replies, he if practicable, dualts the letter then and there placing the drift slip mode the particular correspondence to which it refers. When street, the street of the correct to the corre The three printing and three any masses the presented controposations we write a related with statistics to their control denois recorded by the manufact who instantises making commented with statistics to the corticon of the office ordinary letters & to the correspondence of printing at the manufacture of the office ordinary letters are the correspondence of the office or three printings at the correspondence of the office or the ordinary letters. sceretary for examination and a gnature. All matters of importance and such as require reference to the surgeon general to transmitted to Ootneamund for instructions also all letters or other matters requiring the surgeon general's signiture. A letter received in office is first indexed in a book, which shows tle date of the letter, from whem received, its purport and its darry number in office. (The nee of the latter is to enable the clerk at once to lay his hands on the letter if subsequently required) The are noted as conclusion to contract the source of any site frames on the flexic A source generally required y con-surgeous general or executor plant works the dark reply, of which a clark to let a fund or compared to the first the first plant has been set a fix subjects, and the page of the letter books in which it is optical. The latter is then segment by the surgoon general to scenario and returned to to the munger, who sees it entered in the despatch bool. The latter shows the number of the letter to whom addressed, and date of despatch. If the letter 1 is to be transmitted by post, it is weighed and stamped, and the purboulars of weight and postage duly entered in the postage account

Dr H R. Oswaki u.p. Act ng Su , on General, Indian Med cal Service Madrag.

A letter received in this office is annotated on or disposed of at once by docket by the secretary and sent to be registered. When reg stered, if necessary, it is passed on to the record department, where the references

required for its disposed are supplied, and the correspondence submitted to the surgeon general in a complete form. It is then either disposed of by the surgeon general or returned to the sec citry with orders, comformably to which reply is drilled by the secretary or the manager. The drift is laid before the surgoon general for approval, and passed on to the copyret who sen is the transcript with the draft to tile extremes for comparison and for the number and date being added from a register kept by him. He subject is indexel by him. This done, the transcript and about them of regions appear and the singless is maked to an all all sounds, in comments in the proceed before this surgious general or secretary for significant and del veried to the disprictions; of the mancher in the past book on poon's bool according as it may be deputed by ject or messager, and the original letter with the draft passel on to the record demonstrate to the significant and the sin department for deposit

Dr W H W Com sh T 2.0.2. Santary Comm sooner for Madray. The manager opens all letters, &c., received in the office and takes them to the scintary commissioner who, after perusal, sends them out for registry. They are then registered in a book kept for the purpose,

on the regardy they do not be recording on the regardy they are the recording of the record

The vacantation department being under the control of the smitary commissioner, all correspondence regarding vacanation in kept and tag stord seq vacantal, bredact "vacane department" between the latter security of into subject, if requiring the neural so report of the inspector of vacantam and deputy smitting commissioner, are first sent to that officer, and firstly disposed of by the similary commissioner after his report or remarks are received, the course better the same as that detailed

At the end of the month all papers of importance requiring permanent record we printed in a volume called the "Three-slings of the Samilary Commissionar," capter of which are sent to the Secretary of State, to Government, to the serveral immissipations and local truth circle, and other departments

Colonel I W Ridesot Controller of Military Acrounts Madras

Letters received by the controller may be grouped into two large classes one, from individual officers, either preferring claims in the first matence, or appealing against the decisions of departmental examiners,

secondly, of letters to Government from heads of departments submitted through this office for report on any insacral question involved The procedure adopted in the disposal of letters of the first class is to call for (from the examiners

concerned) all papers connected with the claim to be adjudicated on by the controller.

With the End-class of letters, reference in made to the respective examiners for any precise detailed.

unformation requires to mover, recovery as more to be respective examines for my provide defaulte unformation required in their also and and their also and their also for their formation. The course of a letter through the office at briefly re-follows—
The course is opened by the castelland of multipary accounts, asstabled (with drief), and my remarks that present themselves recoved in peacel thereon. The letter is nonticated to the lead asstations. ant, who notes any orders of Government, Se , required in its disposal, and sends the pipers to the darry and, who notes any orders of Government, So., requirectually cappen, and senso the Popers to the dange Lapper. After dainy 16 witers a sensor to be for electrons pulsely, who attaches any previous correspond-ones, and it orders, So. called for and retoras the papers to the lavel vasifacil, who is no easer when the controller for approval. After approval to the first the dainy to the head old it, who excess it to to the controller for approval. After approval the darks as shown to the head old, who excess it to the face could relate the examines. Both darks and face over an older and not numbered. This darks is headed to the curry keeps who notes disposal use the register, and ferunders it to the indicate to to make all the provides the darks of the controller and the register, and ferunders it to the indicate to to make all the interpretability of the second of the provides of the second of the controller in its parti-tion of the second o cular hundle (all papers being filed according to subjects) The fair copy is taken to the controller, signed, and despatched by the cleaks allotted to that duty

Pay Exam per Valiras

The method of office procedure is substantially the same as detailed in this office docket No 1859 dated 20th November

detailed in these office decides No. 1859 david 1860. Mecunity is simpled thereon by the examines, and when necessary speems directions at on the comment are noted thereon by him, it then present schenge the sensituate examines to the region level, which is market, date date of receipt, and purport in the registe. He then on the same day delivers it to the other known day it as don't the registe. He then on the same day at once taken to the correspondence section, when it is fan copied, the fan copy raged by the comment and despited. The number, died early if finally of the register level in that section. To draft steply as find as the silice copy. The lather received as them green to the register control in a register lept in that section. To draft steply as find as the silice copy. The lather received as then green to the register control in the copy of the register of the copy of the control of the register of the control of the register of the control of the register of t

urnough the suprimerators was assumed accounter; was a support or a sector work.

Statements of objections and dardforwares pass in the same manner from the head clock of the
section in which the said; tall as place through the supromisedent and assistant examiner to the
examiner, and are copied and dispatched as above detailed, the rough copy being filed as the office

Bramener of Commissional Child by and Stud Accounts The system of and t pursued will be found fully detriled in this office letter, to the Controller of Military Accounts, dated 21st December 1870, No 2556

Letters recented in the office we spened by the examiner, passed on to the head assistant, who strongs them and passes them on to the current department to be entered in the dairy and distributed to the raditors concerned who draft replies which pass through the manager and the head assistant to the examiner, who can't them, after approval, to the current department to be fair copied and despatched

Exeminer of Ordensines Accounts, Modras

On recent of a letter in the office, the following procedure is observed -

I -It is opened and read by the examiner and then sent to the supernatendent

II -The superintendent marks on the document in red int. the subdivision to which it relates III -It is then transferred to the registrar who marks the general number and registers it in the book lept for that purpose

TV -It is then sent to the section concerned for disposit, and if previous correspondence is required, it is obtained from the record department

V -Draft is prepared, and submitted to the examiner, through the superintendent of the office

VI -After approval, it is returned to the registrir acceives a despitch number, is fair-copied.

signed, entered in the despitch register, and then despatched

VII —The draft is then put into the buildle in the subject to which it relates by the record department

Examiner of Medical Accounts Madras

The letter is first opened by the examiner and then sent down to the office a here it is read by the superintendent, who after seeing that it is numbered and registered, preses it on to the clerk in charge of the department to which the contents of the letter relate. This clerk then drifts a reply himself, or furnishes the necessary information to the superintendent, who drafts replies on important subjects

The draft is then submitted to the examiner who either approves of or alters it or calls for further explanation on the subject. On the draft being farally approved by the examiner, he affixes his initials to it. It is then fair copied and signed by the examiner

Exam nor of Medical Funds Accounts, Madras

The letter is first opened by the examiner and is then sent down to the office, where it is numbered and registered. The manager having then accertained what information is required or to what subject the letter refers, looks up what is necessary in the office records and drafts a roph, which is then sent up to the examiner for approved or otherwise. If the examiner approves of the druft, he affixes his initials to it, and a fair copy is then made for his signature, and the letter is forwarded to its destination

Examiner Madry Editory Funds Accounts Madras

The letter is first opened by the examiner and then sent down to the office, where it is examined by the head assistant, who after seeing it numbered and registered obtains from the clerk in charge of the subject to which the letter refers the required information to enable him to draft the reply. The draft, when written, is sent up to the examiner,

who upproves of it, calls for explanation, or nother vin alternative be my consider occasion. When the didn't is finally approved of a har copy is made and the letter after being signed by the examiner is forwarded to its fiethandoon.

Military Account Department, Accounts Branch Madris

Accounts are received from disbursing officers, presidency pay office commissionat, remount and clothing departments, and compilation statements, from the several examiners. Accounts are also furnished to and the second are sevent course are two furnaments of the modes by the word or i account airs two furnaments of the works account of the furnaments of the works account of the furnaments of the sevent account of the furnaments of the furnaments of the sevent and the office. The furnament of the furnaments of the fur

several departments and Governments, including Home several departments and Governments, ancluding Home
All papers recoved in the office, accounts, statements, letters, for, are opened by the officer in
charge, who notes on them the dates of recept of each document and makes any remails a hand may
be called for regarding its disposal. They are afterwrite seen by the head assistant, who marks them
for distribution to the actions to which they appetratus when necessary and they are also seen by the
next assistant. They are then registered in the dury books and it is desired to the present departments
by the head assistant and the officer in charge. All papers to Government and the accountant general,
ministry department, and others of special imperiance to heads of offices, for, are also passed by
the controller, multitary accounts.

They are then copied, examined, numbered, dated, signed and
dementabled. despatched

Such questions, the disposal of which is dependent upon informations from other departments, before a final teply can be given, are referred to the departments concerned. The necessary replies are

assued afterwards on receipt of information

I residency Pay Office, Madrus.

The establishment of the presidency pay office is divided into two

sections, i.e., disbursement and account.

The work in the former section consists of the examination and record of the various claims presented for payment, of the preparation of cheques and transfer receipts for signature, each payments for sums below Rs 10, and the correct receivery of public demands and retreneli-

The work in the latter (account) section is mainly the compiling of the cash account current and the subsidiary schedules and statements connected therewith

The distinguisting section keeps up its own desk regular of commissioned officers, and the claim and mode of psyment is urvariely entered in the general regular of psyments, and initialed by the chapter or transfer recept elect, pure to the documents being submitted for signature. The entires in the general regular of psyments are duly compared with the wonderer, and marked of and mixtual vision.

off and antialed by the prymetic The record of the transactions, so far as it concerns the pryment section, having been thus com-pleted, the documents are then made even to the assistant in charge of the account section for entry in the several registers appertaining to his section

The dishursements we forwarded at interval of ten days to the pay examiner in the schedules introduced by circular, 15th November 1806, and the each account current (which includes every item of receipt and payment on account of the public arrice) is submitted punctually to the controller of military accounts, accounts branch, and register of pensions (wurant, Lord Clive's fund, military number recomms, secondary secondary and register on passents (without, non-time's une, ministry and medical and superamentum) in which is diffused to the open provided the dries on which the bulks are passed for pryment the bulk seng then transferred to the demand elect. for any specul deduction. And after the bulk has been so acquired it is proved over for the preparation of cheque or countries. And mater the own are set in section to section the present over the loss preparation in entering or transfer recent, as the case may be through the resistant medangs, and merits in figures of the first of the clean the amount for which it is furthly assed. The bill is a gean returned to the restant in change with chapter or transfer recently appet in mag thendo who having satisfied himself that the mode of payment is that desired by the chaptainty, forevirals the document's to the paymenter for

All covers are invariably opened by the paymaster himself, who notes date of receipt and any instructions regarding their right. They then press to the regord ar who having entered them in the diary of received letters distributes them for disposal to the sections to which the references

apportain

A letter if draffed by the paymaster is sent to the copyrat. If praned by the cleris, it is sent through the head assistant to the paymaster for approval. It is then made over to the copyrat, and after being duly signed is given to the desprich clark for eatry in his book.

Letters which have been replied to are sent to the dusy clerk, who, having entered the mode of

their disposal in his register, hands there over to the record Leeper

L'estena i-Coloncil A Sartie Super sires lant n d'Agent, Army Clobkung Madras

The office commute of times sections or departments, v , I D or milent department, which disposes of pupers pertaining to all indents, orther miscellaneous or in reference to annual clothing, as also all clothing bills sent for certification, A D, or account department, disposes of

or returns, vulnation of stores monetary and general subjects of adjustment, but so she invoces or returns, vulnation of stores monetary and general subjects of adjustment, vi also invoces and problems accounts, C.D. or current departments which disposes of all papers of a general or mixedly proxing according, O.D. or current operatures which unjoyees of an injuries of reference in material muons christeles not involving either undents or recounts, and the copying and despricting of all pages. These are two other and solviny departments called estimate and record departments. The former is responsible for the correctness of the quantities of materials of elothing indented for, and the latter, is requirement set the observations of the quarter of the control to come. It can goe to the damy keeper, who gives it a general or consecutive number, except particular such as then when the first particular such as then when the first particular such as the many that the first as for a function of the completed, he sends it to the department to that his piet as for a function.

The department that has to keep the reply before you mant to the completed, the sends it to the department that has to keep the reply before you mant to that one that the contract that has to keep the sends it to the complete that the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the contract that has to keep the sends it is the sends it is the contract that has to keep the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is the sends it is that the sends it is the sends i

blink space or on a separate pure of puper and sends it to the lead reason for his approach who initials the same and exists to the owners department to be fur capiel if an ordinary or rotate paper but if it is one on volving or majorated pattern to be fur capiel if an ordinary or rotate paper but if it is one on volving or majorated pattern, the darks a first each to this summer to the for approach, who initials and sends it to the current department to be fured. Usually the letters was

answered the same day if received by the morang post the day after it by the evening post.

Letters involving the rendering of accounts, or statements or elaborate explanations, are generally disposed of within the week

Beign I er-General P W Jobb, Alputant General Medicar

As soon as a letter is acceived, been opened, and returned to the manage a be prepared if for the diary, and bands it over to the dara-keeps for regard y. The letter is then sent to the assistant adjustant-general or other officer of the department who had not privately seen

general or other officer of the department who had not prepared it is to duspase of the pure. On external as in them by the durys, keeper to the clast, have between the cost the subject and propers earlier as except for the same. The lattice look's up vary reconst converged each on the subject and propers earlier for subseason to the departy or assistant injustical-prepared as the case may be, who sets that his orders have been carried out corrects and that the furth thanks are the case may be, who sets that his orders have been carried out corrects and that the furth thanks are the case may be, who sets that his orders have been carried out corrects and that the furth thanks are the case may be, who sets it as his orders have been carried out corrects and that the furth thanks are the commander to C copyist for writing fair. It is then numbered and dried, examined by the examiner and sent to the copysis for writing and a section incomes one trans, excentioned by the examined aim section of modern for agentaries. After return, it is placed in the correct ond handed over 6 the disquistleang sheft, for registly rad by him seek to if it past office or given to a supply orderly. For delivery to the admenses the orderly accounting for delivery to write a subtense the orderly accounting to delivery before the paper duly returned in delivery book. It is sometimes approprie that a page of letter cannot I o despected of 6th bind to above. References

may perhaps be necessary to other departments or further information required. This of course causes delay, but the above procedure is adopted or repeated in each case until final disposal

Major Lelin Faing Offe strag Quarter Master Genen ! Valens

(1) A letter received in this office is opered by an officer, who murks thereon his orders or distribution, (2) it comes to the minager, who present on to the references who notes in the register if it is a reply to a reference, and he dockets it if necessary, (3) it is then passed on to be registured in the dary and numbered (1) it is brought but to the manager, who sends it if necessary for former papers to the record Leeper and referencer. (a) on receipt from the record keeper it is either sent to the officer or manager, or clerks, for disposal The draft," if from the latter, is sent to the sent to the officer or manager, or everas, on auspect the chart, is then not river, is sent to the "Bear of the day number of the letter type when't it is far copied, numbered, sugard, and delivered to the despoted of is finally sent to the record Leoper, to be deposited after the disposed has been noted

Colonel G P B Slerard Judge Advocate General, Madrus

All letters are opened by the judge advocate general and presed on with orders to the uncoveranted assistant at once if received during write oraces to the uncoverment assistants in once it received during office hours, or on the following morning if otherwise, who drifts the reply and sends it op aguin to the judge all ocate general for approval After approval it is fair copied, signed, and despitched in the evening Letters received are, after disposal, entered in the dirry

L entenant Colonel M W Wal loughly, Acting Community Gen

As explained in reply to question 3, the commissury-general and the deputy commissury-general comprise the staff of the head quarter office All letters, papers, &c, are in the first instance opened by the deputy commissary general, who notes his orders on them for disposal depaty communistry general, who notes his orders on them for disposal.

The letters up then perused by the uncoveranted session into the communistry general, registered, and dustributed to the head detak of the branches to which they relate, by

whom the replies are drafted and submitted through the uncovenneted assistant to the deputy commissary general for approval, and if of sufficient importance they go on to the commissary general, with the papers relating to the correspondence attached, otherwise they are returned by the deputy conmissary general to the office to be copied, after which they are numbered, dated, signed, registored, stamped, and despatched

sampset, and despatched.

The community general ages all ledies to Government, heads of departments, and others of spensi importance. The endursty letters was agened by the departy community general majorance and the spensor of the packet is opened by the departy commission; general, who, then endorsing his opinion or instruction, hands it to the uncoveranted assistant to the commissivity general, who, then endorsing his opinion or instruction, hands it to the uncoveranted assistant to the commissivity general who percase and sends it to the commissivity opinion or instruction, the programmy of the After registration the letter goes to the head cliert, of the office as it apparatum. regressing own. According to the excellence commissions desired own to the other as to protein the base and the first a letter to the excellence commissions deter concerned. The dust, after approval by the uncovermed resistant, goes to the deputy commissing general, who reviews it is necessary, initials and returns it to the office, where it is copied, compared and lended over to the despatching clork, who obtains the significance of the deputy commissing general and then registers, stamps, and despatches to

summs, and despitations to

the latter, on accepts in the excentive commissaries office, as opened, perused, registered, reply
dritted, fur copied signed, registered, stamped, and despatched as above, and when the roply is received
in the commissary general's office, the same course is observed up to preputation of the draft roply to the inspector general of ordnance and magazines, which, with all papers attached, goes through the deputy commissary-general to the commissary general for approval, and the latter officer signs the

fair copy.

Major General W S Hatch impactor General of Ordnance and Megazines, Bemboy

All documents received are first opened by myself On those to which an immediate reply is possible I at once note the rolly to be given. All me then sent to the head clerk, who registers and distributes them to the several branches of the office Indents, commuteo

control for decases, who is necessary to the sevent branches of the office. Indictic, committee governal for decases, we not cookings, &c. are then examined and each to the deputy impectors when it is not to be compared to the persons concerned. Letter as or measurement entire for explications, or giving the revisor for repecting committee proceedings we sent to the persons concerned. With other correspondence files of provious propers on the subject to sent in to the deputy mapseting general or myself, with, on creditary subjects, a longit drift of proposed ciply by sents clock of branch concerned. In clock occess replace we drifted by deputy impector general or myself. Drafts are then sent to be copied, registered, and returned fee agentume.

Deputy Surgeon General T M S Fogo Officiating Surgeon General British Forces Bombay

A letter, when received, is first of all rend by the secretary and sent to the head clerk, who gives it to the clerk who keeps the com-pilations to be registered. It is then given buck to the head clerk, who sends it bed to the secretary, along with the provious correspondence, when necessary The letter is then laid by him before the surgeon

general for his instructions, and a durit reply is prepared accordingly and sent to the head click, who gives it to a clerk to be copied fur. He then compared by the head click and sent to the secretive, for signature. After it is signated it is returned to the head cell; who click not sent to the compale, along with the office copy, to be regretated, numbered, and dated. After this is done, it is given to the compared to the compale, and the compared to the the despatching clerk for transmission

In many instances letters or memoranda have to be referred to the deputy surgeons-general and by them to medical officers for report explanation, or opinion, and, when ictuined by them to the office, the same course of procedure as stated in the preceding paragraph is observed

Dr W G Hunter Surgeon Géne ral Indian Medical Department, Bembay

The office is under the control of a scoretary, who is assisted by a chief clerk. A letter on matters of departmental detail, when received by the secretry, are used to a submitted by him to the suggeorgeneral for his orders. When these are given, ricely is chiffed and
be headed over to the cheef clerk, his reason it to copysis. The fam copy
is examined by the chief clerk, preserved, and submitted for segmentar. The draft made is legit of

record copy. The reply is generally despitched on the evening of the day, it is received. This is the procedure of an ordinary departmental routine letter, but the image of the correspondence relates to makes of reference from other departments, and with letters of the matter the procedure is different, as reports and opinions may have to be obtained from departmental officers before they can be unsn ered

Dr J Lumeda ne San tary Com mes mer for Bombay

The post is opened and examined by the assistant to the similary commissioner, and all papers are first stamped, receipted, and regis-tered. They are then sorted, and those of a rontine nature, such as ordinary returns, are relegated to the elerks in charge of the sections

to which they pertain. Thus it is a monthly register of bards and deaths for a porticular distinct the clerk for the registration section goes carefully through the figures, and if they are correct, because them to the accoung tabular statement for that district. If there are errors—and there are Certification to the Sectioning unions assistances are than another. It where the include the very frequent—freque one parts of the alleger which asks for the necessary conceitors and the redemants according to the return. The same course in followed with every ordinary return such as these of challens a recommonter, marthly, the most write test of the Amother cloth has charge of all papers relating to the pay and ellowances of the galactic described whenever and of applications for leave, truster, and promotion. There is also the correspondence branch. Here there is great room for improvement, for much of the correspondence of the most orderery that, connected with felty in returns or care in figures. And jet for want of a responsible gazetted effect to dispose of it, it all returns or actors in figures. And yet for want of a responsible guarted officer to dispose of it, it still into tago to the countary commissioner. He may be in Bomily is the conference in the like to four, and whether he is it forward or at Amerbound, a builty necked has to be despited of from the beatted officer. There is necessarily speed doby in deviating, with in discretization and the second of the despite of the despite of the second of the despite of the despi pary issues when the sanitary commissioner is on tour

Lorateannt-Colonel D B Young Officesting Controller of Mily Ac-counts Bombry (Contle s Office)

References and letters after perusal by controller, are sent to the assistants in charge of branches, who either-

(1) carry out his orders minuted thereon, or

(2) if no orders are manufed, they personally see him and receive his orders, or (3) prepare a draft of the early, or application for further information, proposed to be sent out in either case the draft of the reply or letter as submitted to the controller for approval Regists to desire size the order to the regist of the control section of the order as a month of the paper selected are returned with it, a copy of the whole or put as may seen accessively being only legistation of the order of the section of the order

Ropher to references from the officers of this department are given in the form of a memoranding, and to those from commending officers and paymenters of troops on the reference itself. All un-

necessary a capade and coblind use arouged as much as I ossuble

The orders of Government which are always punited and of which a few spare copies are received as a rule are morely entered in a bool under their number and date, and issued to the officers of this department whom each order concerns who sign and return the book

References originating in this office are made under the controller's orders, after full counders.

tion of the subject mutter, any correspondence to accompany being as a rule sent in original Budget printed forms are sent out to heads of departments and officers in August, by whom they

have to be filled in and returned by the 1st of October On receipt, they are sent to the examiner concerned for review. If necessary, his report is communicated to the hadgetting office for constconcerned for review If necessary, his report is communicated to the brighting offile for constant on When if the needful number is are easily the consolidated budget estimate is prepared in this office gaving full explanations of differences as compared with the previous estimate and the forwards of the consolidate/question which of performed, and the Bombly Over meet about the middle of Dovember Grants 5 "regimental pay and differences", 11 "conformation 13 "res transports, 11" muscall reconstructive and appears to the first indication of contractive cost, are then the results of the property of the conformation of t estimates

Materials for the explanatory statement of differences are collected as the expenditure proceeds, the cause of every unportant difference more or less, being at once inquired into and noted after the accounts for each month have been made up

A letter on receipt in the office is first registered and given to the assistant to whose branch it appartuns, who refers to the former proceedings in the master, if any and the unit out es and piece dents bearing on the subject, and then subjects the case to the controller for orders or clear death of the proposed reply, when the case comes to admit of no doubt, or of any reference which may appear to be necessary. Cases submitted to the controller, he either disposes of himself or number his orders thereon which me then carried out in the office

A furreopy of the uply or relanace is then mude and desputched to its address, after which the propers are filled up, the number and dute of the outward letter and its address being entered in the

register against the numeral letter which called it forth

On the recent of the reply to a reference the original reference to the controller is disposed of either the substrace of the material parts of such reply being embodied in the answer, or when the reply centimes all that needs to be so do it as sent in original under a docket or with a short memo-

random is trunting the controller a concurrence therein, if it is should seem to be necessary.

All references more than a widtle in the office art entered in a return of unanimodel references. which is laid used by before the controller with remarks explaining why they could not be disposed of Should a long delayed answer to a reference from this office be the cross, a terminder is then sent to the officer to whom the reference was made, Appendix IV]

On recent a letter is immediately stringed with the date of receipt, registered (a c., als number date subject, and from whom re-Major W Perrent Examiner, Pay Department Bombay corred, entered in a register for that purpose, called the "register of movered references"), and after perusal by the examiner is sent to the assistant examiner, from whom it passes to the superintendent, and then on to the vaditor of the

branch to which it iclates

The auditor drufts a reply-in deabtful or difficult cases consults the examiner before doing so This draft letter or memorandum pusses through the branch superuser to the examiner and when approved, as fan copied in the copyrate branch, and after signature by the examiner is handed over

when approved, is the computed in the copyring theorem, see according to the despetching elect for the instances in by one to prom.

The number given to this triply and the date are then entered against the reference in the "register of inquard references," and the procedure is complete.

Leutenant-Calonel D B Loung Officiat ag Controller of Mil tary Accounts Bombey (Pennin Pay Master : Office)

European and cavil pensioners are paid monthly, and pensioners of the Native army quarterly, the pension psymastics visiting certain stotions included in their respective circles for the latter purpose Monthly accounts of their disbursoments are rendered to the my exammer for andit nd adjustment

The course through which a letter passes in their offices is much the same as in the other offices of this department

Maget M. A. Rewlandson, Pr. minor Commissariest Clothing and Barrack Accounts Bomboy

The procedure in regard to the examination of the accounts received in this office is as follows —

(i) On recent they us registered by the registry clerk, and made over to the calculating branch, by which all the calculations are tested They are then made over to the assistant auditors, whose duty it is to

check the indents with bills and the contract or bear rates churged in the brett. The recounts the undergo cutti by the undities who prepare statements of object-boundle thems, which are revised first by the land tests and then by the extreme They are then chession, which are revised first by the land tests and of their by the extreme They are then chession, of differentials made over to the companing branch for the purpose of this necessary information being extracted for the statistics travelod by the follows. furnished by this office. After compilation, and on receipt of satisfactory reply to objections, they are

(2) A letter received in this effice is after perusal by the examinar, entered in a register kept for the numbers, after which it is made over to the auditors of the branch to which it relates for

disposal

(5) The letter or memorandum replying to a communication is distint by the radious consume, rich passed discussed the head reservent to the examiner. After approved its taken to the copying brench, when it is the copying and them made over for emmanation to the party who distill the same, by whom it is made over to the registers for the purpose of terms numbered and despatched.

Laterteneus 7 R L Anderson n canage Ord unto Economics's Office Bombay

Returns and documents received for adisposal are duly registered in the general branch and then made over through the record keeper to the senior clerk of the office section, with whom the disposal primarily

the sensor click of the office section, with whom the disposal primarily yests. On duponal, the necessary and its attenuent, or latter on more random, or bid, as the case may be a passed on by such associated to the general brunch for securing by the supermendents before spread ably the carminer. On remover approval the main statement, or letter, or memorradom or hill a brought had to the general brunch to be fun-coped, to have rough and fine space company of the cleck or second to which it appertume, and for final despatch of incr copy after agents, and both copies us numbered and duted and the fun copy is agent, or the taken possessen of by the second keeps in the second largest. Thus, then, a letter, not on some general subject, when received, and sont into the effect by the reasoning, would be registrated in the general brunch, and from it to define out by the reserved length to the particular districts of the subject of the supermental brunch to the contract of the supermental brunch in the subject of the supermental brunch in the properties of the supermen the appertunement in present on to be examined. After examine a significant is using the compared both to present the significant in the compared by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section by the clerk or section between the clerk or seamon as significant or an amount of the clerk or section between the clerk or seamon as significant or an amount of the clerk or section between the clerk or being put to fur copy The rough would be made over to record keeper

Letters on general subjects would, after registry be taken up and disposed of by the superintend ent, the replies to such, on examiner supported being dealth with thereafter in precisely the same manner

as all others

Surgeon M for P S Termboll M v., I vam our Med cal Accounts

The letters, after being opened and perusol by the economic restamped and registered, and thereafter distributed by the superintendent of the office to the several assistants. Replies thereto are diafted by these assistants and handed over to the superintendent, who after examining them, sends them to the examiner for approval, and, after being corrected and antifaled by him are copied, registered, and despaiched by the copyest

Lee tens it Colonel D B Young Offic it up Controller Militing An countr Botalay (Accounts Bennels)

All letters and returns received pass through the officer in charge of the brunch and the head resistant to the registry clerl, who after stamping the documents with the drie of receipt and registering the letters, distributes them to the brinel es to which they belong In the

of the letters, and the other cheel's the returns, verifying and if necessary compiler; them into returns and accounts rendered from the office

On recent of a letter it is gener it, that seen by the officer in charge of the branch, and proved on through the head assistant to the registry clerk, who after registering gates it to the comor clerk

of the limit to which thelongs. The sensor lenk has the letter a deced in 1 s limiteh drefts the on Detrimine to which we recomply a remained service to be considered in 1 s 1 match directs the reply and sends the duratit theorem that he disc such that the others in charge of the franch. Miter the data is passed it is fair out of Thus done the fair only as numbered duted and ent for substitute after all that is despatched.

Capta o H Couler Presidenty Payers or Bossby

The office procedure as as follows -The post is received by a clerk especially deputed to the drifty. To stamps the drift of each doe next and then sends then to the premise. The post is ritter words distributed to the se end do one con erned to diposal in views a same user to the see and one contents to a possitive tests one of a rapical to by the superior tending election of the disson onder the order of the pymaster according to its supportance. The city I can cope I and signed at a funder es or reg stened stamped a d'despatched by the responsible clerk

Coleard I Th else Suprem end on Army Cloth og Bembey

The department is duried into three branches-(a) superinte dent sollice

(5) store branch unde the store keeper (c) factory under the master tudor

All indicate for clothing & o a converse in one owned by the speritendent's office. They are then transfer with a first feeling which press a square tension the store branch for the store at the matrix is. Before the regards can see complied will they are compared as the feel seems that is office with the proportion table a a discount than a store to the freely — occupied with the proportion table a a discount than a store to the freely — occupied with the proportion table a discount than a store to the freely — occupied with the proportion table a discount than a store to the freely — occupied with the proportion table a discount than a store to the freely — occupied with the proportion table a discount than a store to the freely — occupied with the proportion table a discount that the store that the sto

to Place the control of the control the branch to which aperts as if no uply a equate that the compliance to the belongs and a note made in the register that their book so deposed of. When an answer a secure sary the branch concerned a three sends at to the separatement of the delirely or ill information. sary this brunch concerned there exists in to it or permissension with a define right or it informs too which my and him to early When the exply seast the number and divide onto relaying regards a by the rood becars in the unand registe special the cutty of the rand little with a third with the entire copy of the copy is a to goor compilet to (i) It is before or more counted or replying to the n and letter effect to go and confident methods by the supermissed on the former a sent to be super attended for a greater. The regly is then registered in the outs with

reg ste by the desprich ng clerk and a then posted

B golderGene a R F Besche, Advaignt G ner (Bomba)

The letter as opened by the chief clerk and by him sent to the branch to which these breet appe turns. It is the error size of and exemined by the head of rid has bands at a thirmy remarks that a may

be necessary to the b and offic who af the m the some of ro the we account of the property of

Cases 1 of the branch offcers are is able to it pose of are submitted for the consideration of

the all tant general will any use a lather my co sale necessary

In the manner of these required the decision of the Commander a Cloff of a submitted by The true of error promiting the officer training His Lycelleneys and a thereon become fine then hy trut se erril promiling p pe s in the mani a pres bed for o dum y co requiden a

Bog d C era C R mbs r fa er G n

Two general registers are lept—one in a do not all The office is oiled by bracket let brack leeps is on recoils let are laded under 24 led go. The subjects are filed a

compilions as ach are as I spored of
On the post being rece did not the office the litters are registered and dust bited to brineles for promoting the continue of the post is the normal by the clicked the thought of the post in the post is the normal by the clicked that the logistic quite making a little has listed and the post to the post in post at precision provided in the post in logistic conditions the post in logistic conditions the post in logistic colors and the promoting the post in logistic colors and the promoting the post in logistic colors. It is promoting the post in the post in logistic color than the promoting the post in t

And terror and the in a proper in a conjecture of the about do or to the delegated in a close it was to the deep telement of or to the deep telement of telement of the deep telement of the deep telement of the deep telement of the deep telement of the deep telement of the deep telement of the deep telement of the deep telement of the deep tele

They arte a stageneals but fan shed le of ppe nambe t ceaweek to the Com man les un Cl ef for or lurs

C COMule Judge Aloca Garalus

The lotter by post use boght to fle pidge ad certs general and ened by In They are the prepied to and bled or submitted to the opened by 1 n Common ler Ch el for orders us the case n y be All letters rece ed na fl « office are drafted by the 1 dge ad ocate gener l there he ag

no deputy or sat at then | partes Sipose ribetter stock editorwarding in application for a general court mant of a sport as on he of the application for general court struct of and se to the for and g letter to the adjutual general for submass on to the Commander in Chef.

* Artillery r y me tai questions are solain ted by the a satisat, duined y segal royal artillery

(1301)

Detail the number of clerks and writers in your department, (a) at head quarters,

(o) clsewhere,

and briefly then respective duties

Colonel J I Willes, Commis sary General Bong d

The information is given in answer S, and the following contains the rules for the conduct of the work of executive offices -

Circular by Commissing General,-No 5, dated Fort William, the 22nd January 1877

M littry Department No 452, dated 4th lebrary 18" business in ex-Military Department No. 1158, the department dated 21st December 1876

By order of Government, the accompanying rules for the conduct of business in executive offices have been framed for general observance in

2 Government believe that the practical honofit of these rules will be the simplification of work in executive commissional offices generally, and that a uniform system will afford the means of moeting an excess of work in one direction by reduction in another, with a corresponding transfer of winters from one station to another, and thus male it possible for the existing office establishment of the department to cope with the work, even if no decrease of establishment would be fersible

Government for ther remark that at is " possible that work may have increased in some direc tions, but the first and most obvious remedy is to attempt to decrease it in others by simplification and condensation of existing forms returns, and procedure in the conduct of executive office work", and Government look to the supersumng and executive officers of the department to make the necessary efforts to reduce and simplify using an accessors where the size of the commission general, therefore, and the size of deputes commission general and executive commission of officer to submit singgestions under the proposition recondence with the versus of Generalment.

d On recept of the rules now published, executive commussivat officers should at once bing into operation the distribution of work ordered, reporting after six months how the system has

no I to a

5 On recorpt of these reports, deputies commissing general will furnish a report for the circle, showing what transfers from one office to smother they would propose, and what increase, if my, is

nccessary in the entire executive office establishment of the errole

6 Lizemino commissared officers must bear in mind that Government look for a decrease rather than an increase of office establishment from the system now ordered, and they are enjoined to abotain from recommending mereases which are not absolutely necessary, and to be most careful to all to entry the number of written setterally negated for each state of the work of the office it carefung establishments are proving austineed because they are elogged with men who are inefficient, executive commencered officers will be held responsible thet, in the indicates of the Sixte, soci men. are brought forward for removal from the department, as the commissary-general cannot apply to Got ernment to mercase establishments to avoid distinbing mecampetent men in their present positions

Rules for the distribution of most in executive commissionial offices

- Apart from the duties of head assistants, the work of executive commissurat offices should be divided into four sections, as follows -
 - Cash and disb resements 2
 - Check and andit (eash) Store and stock
 - Miscellyncous, the sub-dryssons of which will be periodicals, contracts, equipment of troops
- and commands, miscellaneous and copying
 - II To each section clerks should be allotted in proportion to the work to be performed

III. The duties of head assistants will comprise-

General supervision of all work, and on occasions of emergency to detail the assistance to be given by one branch to mother

To see to the panetural submission of all accounts and returns

- To examine the bridget estimates after prepuration, and note all changes affecting the expenditure of the department To see that complements of stores are always kept up, and undents sent to supply deficiencies
- 5 To examine, and if necessary relies, replies to examiner's objections, retained and results letters, seeing that the replies me to the point and complete, and bringing specially to the notice of the executive commission of officer such as may require his particular attention
- To revise tephes to the pay examiner and examiner of commissaired accounts' objections and retrenchments The executive offices to supervise and cornect replies himself, so as to prevent

continued and unnecessary correspondence and delay in settling the points at issue
7. To investigate carefully novel and doubtful charges or charges for input horized purposes or

supplies, which the check writers me to be writed to bring to his notice

8 To supervise the check of indexes by the sections to which they pertain, and to see that they are correctly complied with, and to cheek and pass for compliance indents for carriage and establish ments required by corps on the march

(1305) [Appendix IV

9 To see that proper recenpts m fall and no demand certificates are taken from contractors and others before giving up the security deposits

10 fo see fl it tender forms are properly filled in and contact deeds properly prepared and exeented also to see that tenders are mysted on prescribed dates, and to bring to notice any infrictions

II To test crab and stare-ledgers monthly after they are balanced 12 To see that any uttance rolls of establishments (cuttle, move able column, &c., &c.) are received.

in the office monthly, duly signed by Latopean suburductes concerned

To examine and check every cheque resuct d sly

To dispose duly of correspondence received by jost, &e , taking orders on each point

The drifts of replies to ardinary letters unities by uniters of sections to u bich they pertun are to be corrected by the head assistant, who should when presung them not permit any point requiring explanation to be overlooked 16 To scrutinize mefficient bylances of cush store and stock, talang notes of such atoms as are

difficult or likely to take a long-time in adjustment and to bring the same or any arrears in any section of the office named nitely and promanently to the mouse of the executive commission of them 17 To inspect and materl the dualy attendance book, and submit the same to executive com-

missarint officer 18 To inspect and initial weekly the recount of postage labels

To proprie instructions to generalize, agents or peons proceeding on command with thoops, 19 entitle or stores

20 To take over that equipment of images are made agreeable to regulations, and, whom in excess

of sords to take steps to call for the requests in though
21. To initial all papers after sensing and before submission to the executive commissional

officer for signature

of contract deeds

22 To see that general orders and excentry orders are attended to, and that any action necessary on receipt of the orders as taken

IV The duties of the four sections manny which the work of the office is to be divided will be as fellows -

I - CASIT AND DISCORDED LEVE STORY To compile the monthly cash account current furnished to the controller of military accounts,

recount branch, and the exam men of communicary t accounts
2 To compile the mefficient believes statement furnished to the examinor of commissions.

accounts with it o each account exercent 3 To prepare disbunsement stratements to agree with the ledger headings-

Cush Advancer

Transfers Retrenchments for transmission to the examines of commissional accounts on the 19th 21st and last day of each month and numbering servates all the wonchers performing thereto taking one that all the vorchers are originals properly agreed and recespied, that they properly support the stems of disbursement, and that all origins or afterstons are unitalled

4 To keep the duly eash book, as which all the monetary transactions will be entered duly as

they occur 6 To post draly from the detail given in the counterfoil of cheque book and it engister of cheques the several ledgers disberrements, ody more transfers and from the counterfoil of the multipy remittence order look all recoveries on account of retremeliments, &c compiling duly from the

ledgers and several registers of each transactions the multius recountrates todger

8 To leep the counterful recent book (Bengel form 181) greating recepts in the form to all

parties who pay money unto the office or into the exal t easier, for the office, whether on account of miscellancons receipts and receivenes or deposits (not from minent loan paper)

To Commit all protes tendening assert to the obes, whether in payment of re-overes or us chosents with a treasury recenting order in Bengel from SES, instructing them to pay the money into the cut it resum; and it may be of the transity effect recent to the terrain; recently may be sufficient to the continuous of the continuous committees and the continuous committees are not in the oblice the receipt in Rengel from 181 is so be delivered to the price.

8 To I cop the register of miscellar cons receipts and receivenes (Bengal torre 196), the entries in which are to be made diffy as soon each transmission is completed, i.e., when the treasury officer's

receipt for the money comes to build

9 To keep the regreter of remultances to banks and earl treasures, Bengal form 118, in which all pryments into the enal treasury, whether on account of recoveries or deposits, are to be entered

Note—Same recovered in part of onistantings (ultranear transfer or reteased users). If ongiver tited to the ct. I teresary are not resease of and in smalling small or freeze. This new littener requires the understable 11 and 15 central and into the telabloculum hat do not in the body of the register a made been, marks adjunct such these. In red of not of futures &e &e as the case may be.

10 To Leep the register of recepts of mescall-mouse deposts. Being I form 116, in which all the deposit transistions (not 1: Government form paper) are to be recorded duly as they occur.

11 to Leep the index to the register of recepts of masself-mouse deposite Bengal form 110, in

which are to be posted all frustactions as they are record d in the dejecut register.

12 To bein the register of repayments of mecellaneous deposits, Bengal form 117 in which

all represents are to be recorded the day on which they are made

13 To lesp the regreter of Government to a paper dopo ded as security, form 1, appendix Y, of the bills of exchange rules of 1867. The accepts are to be recorded as soon as the paper comes to to the most extensive the control in the receipt in the description of the control is not been supported in most and end end of the description of the control in an analysis of the general of least treesury is to be made on the fast day of each mostly and sent to controller of unhitry recounts. account branch

To proper the following schedules to be fermished to the controlles of military accounts, account branch, and examiner of commissariat recounts with the monthly creb account entrent

To controller of military accounts, account branch

I —Schedule of rematimees to banks and caval treasures, Bengal form 153

II -List of cheques di ewa, Bengal form 198A. III - Monthly statement of cash in hand commissional form 11, accounts

IV - List of changes emeched, commission form \$3, with the concelled changes

To examiner of convariant accounts

I —Schedule of particulars of muscellaneous recen to and recoveries, Bengal form 112 II --- Extract from register of recepts of miscellaneous deposits, Bei gil form 117

III —Schedule of particulars of reproments of muscellaneous deposits, Beng al form 151 IV —Copy of schedule of comittances to banks and envil facesuries. Beng al form 153.

15 To preprie annual return of muscellaneous depos t outstandings, Bengil form 139, to be submitted to the examiner of commission of accounts on 1st April of each year

summitted to the extinuous of commission is recommended as a part of the second many of the first the officer of commission is recommended and issued graphing of the distribution of the first property of the commission of the co

andit section

19 To prepare all cheques in payment of bills which must be scrutinized to see that they have been counteragned by executive officers and mutable by head assistant and check variet also that the conchers in support are attached. To immuch tuphente checked reconner to agents and contrictors

19 To draw out requirements on the different therency officers for remitting transfer receipts required, and, on receipt of the transfer receipt, to forward them to the parties concerned, with transmit ting letters trking care that reknowledgments are received in due course and noted in register

20 To distribute carefully to profess concurred the sums recovered on account of supplies to regimental and gravison passons, enturing the same in the cash book and pension bill register 21 To t ke timely and necessary action for adjustment of all cash outstandings as shown by the

inefficient balance there; an account of the control of the contro

29 To prepare the following periodical papers, 50., .— I —Quarterly statement of credit and expenditure—to commissary-general

II —Annu'l saggament estunctes—to company general
III —Annu'l badget estunctes, with necessary resistance from the other scottons
IV —Monthly statement of semanty deposits not returned within six months—to deputy commis-

eer, general 24 To druft all latters connected with the duties of the section for revision, if necessary, by the

head assistant and see that replies are accessed To eximine all pipers connected with the section after being copied in the copying section

26 To make oner to the miscellaneous section in its sub divisions papers required for the performune of the duties of the sub dryssen

27 To givent receipts for scennty disposits to agents and contractors in counterful form, and to receive them had when securities are refunded. This applies to Government form deposits, as rules 6 and 7 refer to cash deposits only

At Its toward all loan proper securates to the Band of Benged of not acturnable within six months and to crall treasures if returnable within six months, for safe custody, and to withdraw them when nece sary for refund, transiers, &e

29 In draw the interest on loan pap 1 securities and to pay them to the agents by cheques, cadding them in the ragistar of each dejoids in fanor of the parties concerned

To pay by cheques all each seem the and earnest deposits received from tenderers 81

To cheel and register account siles 92

To advise contractors and agents of the recept of moneys to their credit on account of relicons supplied to antison and regimental prisoners
35 To propite ichief reports of efficers, companily with writers of store and stool section

31 To endouse I alls for sale of an tacks of stones and stock, for which cash is received

II -CUECK AND AUDIT SECTION

To keep a register of bills received, showing when and how each is disposed of 2 to compile monthly a register showing in separ to columns the rates charged by the different agents for the articles purchased and supplied by them, the pures current rates of the month for the articles and the rates allowed in the previous mounts by the executive commissature offices for similar purchases. The executive commissatural officer will then himself fill in the rates to be possed to the agents during the current month

3 To prepare for the examines of commissional accounts the monthly list of rates passed by the

executive commission officer for supplies

1 lo audit and pres for payment all bills (medicing as long bills) and accounts received in the office eccent that the charges are anthorized in 1 borne out by the proper vouches, and it not furnished. to call for the wanting rouchers and sassa, if necessary, the party submitting the bill in precuring them. To see that all crasures or alterations are mutalled, and to bring to the notice of the lead assistant on a common or more more resumment, one is owner to be offered to the source of the source of the common of the source of the common of the source of the common

6 In cheel mg bills for store and stock all purchases are to be recorded in the store and stock department, and the auditing eleck is to obtain the initeds of the responsible water of that section to every stem purchased, showing that it has been credited in stone or stool return of purchasing

[Appendix IV (1307)

To check ration certificates of corps, that rolls of hospitals, and all such rough ers

To bring to notice circis or great discrepancies in prices carrent or rates charged by different Ŕ

agents To frame the replies to be made to objections and refrenchments and regular letters for revi-9

sion by herd assistant before the re charge statement is submitted to the executive officer 10 To prepare extracts from examiner s list of retrenchments for agents and others 11 To audit and compile the monthly bread mill and ment charges, scrutinizing them carefully

In a nature are complete the monetant person into a see more conveyes, sectorising trans contenting and bringing to netter of the head seast-risk any list it may posse amount of religious, in very to the orders of the executive commercent's officer burg (whence).

18. To see to the dichts and everbase of mall, lakency, and abughler house accounts, and to prepare catile dealers' recepts for languistic catile road elsey purchased.

18. To check, the headplich most regarder duty with the several variating surgeant's reports of

13 To check the simplifies from register may make an execut a variating register equivalent to the control of the polarity from the polarity from the polarity from the polarity from the polarity from the polarity from the polarity from the polarity from the property of the polarity from the polarity for the polarity from the polarity for the polarity from the polarity for the polarity from the polarity

offal contractors of deliveries made to them and of realizations in the bread and must supply 16 To prepare the monthly statements of purioulus of the bread and meat supply framshed to

deputy commissary general 17 To prepare settlement stylements of all entrage and establishments

18 To proprie final settlement statements of commund generalities (11de circular No 96 of 18th September 1860)

10 To prepare reports of command accounts adjusted (commisses) general's circular No. 180

of 1870) 20 To durit all letters and half mingin inferences (for revenue if necessary, by the head assistant) connected with the duties of the section, and see that replies are received

21 To examine all papers connected to the the section after being copied in the copying section

22 To make over to the resectioneous section in its sub divisions such papers as may be required for the performance of the duties of the sub division

23 To prepare and submit mentally to the deputy commissing general a statement of stock of shughter cattle and sheep on band, showing condition &c, and those recommended to be disposed of by sale (errenlar No 124 of 1875)

To prepare monthly bills for relices groce ice and fine nood supplies for military prisoners. To read monthly to deputy commit isomers, collectors, cantoniment impistiates or station staff officers, a the case may be, page cament forms, sending the original to the examiner and a conv

to the deputy commissiny genera To note all changes affecting the expenditure of the department, and to assist in the prepara-20

tion of budget estimates

27 To check and pass to the executive engaged every month the house rent bills of purveyors

28 To check all cash estimates

20 To preprint estimates for fiel &e, of troops and critic moving on command
30 To keep the register of all behis for breadstuff and slangther cattle received and resued,

granting recoipts and preprint debit statements for them 31 To propure monthly certaineste of grocerus rations supplied to coups, and bills for intions

overdrawn by corps, and for supplies to lock hospitals 39 To check estimates of cost of articles made up by agency which are not realify prograble in the break, obtaining rates for materials which are not ordinarily catered in the printed prices current

To obstruct the rates from all varincular ner cleaningles form shed by command generalities and others for supplies purchased by them on the march, and to prepare estimates of rates for command purchases, taling care that the quantities and prices of gram, fodder &c , purchased on the road are duly entered in the neuel s

Si To prepare for the deputy commissiony general mouthly het of rates passed by executive commission to officers for chief articles of supply

To propure for issue (by each section) to agents and contractors of sudder stations triplicate 80 comes of their dustors after filling in them the praticulars of check

SG To cheel requittrace tolks of theil ed its

37

To prepare review continents and silvannalis To check half yearly estimates of stack attacks

Special Defres

To check steamer bulls, bulls for supplies for Port Blan for Native thoops and for miscellaneous supplies for up on miry stations, also bills for supplies to medical depot, and bills for transport of medical stores Presidency store and slapping exceuting affice other than by rule vy, as also of magazine and clothing

stores sent from Calcuita

To prepare page statement of supplies sent to Port Blan To cheel bills and prepare accounts appartming to Campore executive office the mill boase.

To preprie the weel by statements of floor despriched

To register all invoices of flour lags, &c despatched and received To mal e monthly delats of flour despatched

To prepare quarterly account current of bags with the several executives

To make out ruly ay credit notes for despatch of flour

To keep in account of the quantity of wheat in store respect to the miller and passed the mills, and of duly produce of flour, bran, &c.

(1308)

To check the bills and prepare the accounts and other documents of the see houses To check, for submission to deputy commissary general, weekly report Lucknow and Morre exec five offices of see stransfretured and sessed

To assue monthly see passes to regiments and purchasers To check monthly uce house stone and stack accounts

To cheel recounts of agents and contractors for supplies to see house

To prepare, for examiner of commissional accounts, manual account of acc house, showing recents

and expenditure $\Lambda B \to \Lambda a$ require rations b is the state of read and the state of the decrebed as follows as carefulls, of military around $A \to A$ and III - STORY AND STOCK SECTION

To audit monthly store xeturns sendered by gomashtas (and proveyors of dicting articles) within the executive range

2 To note that the certificate of the European subordante in charge of the godown is attached to the gemashta's store return, showing that the balances in the agent's return agree with the godown books and actual balances in store

To compile from the store returns of gomashias, and purveyor's store inagers

4 To prepare from the office ledges the monthly store return for the examiner of commission accounts taking care that all quantities charged off in this return are bounc out by proper and complete vouchers

5 To compute the monthly store return furnished to the commissing general and deputy com

missary general

8 To prepare and submit to the examiner of commisse ant accounts with the monthly store action from level 1.1 April and October of each year, a distribution statement of balances in presented

To audit the monthly stock returns of generalities and compile an annual return of dead stock articles to be submitted to the ex mines of commissairant accounts in April of each year. All you

ohers formshed in support to be safely lept until for ausbed to the examiner with the annual intens.

8 To compile the annual dead stock return for auspection of the deputy commissing general

when on tous, all vouchers being attached

9 To examine monthly the godown account-books for inspection and signature of executive commission to force, all descepancies between agent's accounts and undeed between in executive office being adjusted by suphus being credited or agent required to eccounts for deforement 10. To culti the monthly recounts of clothing, bedding and muscellaneous retailes, cooling

utenuls and dust and table sequesties immushed by hospital purvevors, and the godown gomeship's reserve stool neton of simily articles

value is to be recovered

To compile from the above a monthly alphabetical totum of hospital equipments for submis sion to the exumine of commessinat accounts

12 To grant railway credit notes and bullock trum requisitions for comeyance of establish-

ments and stores 13 In ruditing the several accounts above referred to, to see that each item of receipt and issue is on norted by the projer reachers, which are to be numbered, calling for the same when nanting, and ravising the agent, when necessary, in procuring the vouchers required to see that all exactives and niterations are mathilled, to hung to the notice of the herd resestant any remarks in the roughers requiring attention, or any novel dombtful or charges for unauthorized purposes or supplies, in view to the orders of the executive commissariot officer being obtained, and hearly to issue retrendiments against agents for any deheteneses or exercharges, of which (nuless satisfactionly accounted for) the

14 To lesp registers of railway receipts for stores sent to other executives, and of acknow-

- ledgments for the same, as also the register to invoices of stores despatched to other stations

 15 To examine, before submission to the examines of commissionate accounts, the h the half sealy returns of articles of commissarint supply in passession of corps which are furnished by commanding officers
- 10 To prepare the brilf yearly return of medicines and mistruments submitted to the examiner of medical accounts 17 To farme replies to the examiner's objections, refrenchments, and re audit notalications for

revision of necessary, by the head assistant

15 To prepare extracts from examiners list of retrenchments, or retrenchment letters for agents and others

19 To check monthly recounts of gomestus and purreyors of such stock as as not recounted for in the unural dead stock returns for deputy commissing general or evanuate of commission accounts (see citembu No. 72, dated 26th April 1873)

98 To keep the register of store and strel debuts received and assed

20 In scopy or registed on source data were consists received and extend some of all 10 grant receipts in prosmed form for all store and shad debat's received, rifer carefully compruing the cuntilest debated, with reaches formshed in support theseof, or the receipted in cones as the case may be, and noting that the as lately have been entitled.

22 To preprie and 15% to all stone and stuck delats against other executares, taking care that they are fully borne out by the vouchers and unvoices quoted in support

23 To keep the registers of (1) made ees and (2) indents received
24 To cheek with great ence, before passing for compliance, the monthly indents of commanding and medical officers of corps for bravel and hospital supplies, mescal neous and petty supplies, turn and malt lequer, and also other muscell mesus and periodical indents by corps and igents, &c

25 To draw out all orders for resue of store me I stock whiches from godown, and receipt orders to take similar articles into godowns 98

smight mises and gottom.
To thest the contily empty hogokeral recounts with confisence
To proper, the monthly brills for rum and milt have supplied to corpo
To aucht gomeshivs' monthly wale statements of rum, malt haver, supu, itea &c, assued on 98 payment to writing and non commissioned officers and soldiers families, and after audit to hand them over to the cresh section for the recoveries to be confused in the office accounts
29 To anoth the mosthly nucleon account when of useless and surplus stock articles, and offer

audit to hand the account sales over to the each section for the amounts to be credited in the office accounts and recount siles forwarded to the examiner with each account enricht.

30 To audit the helf yearly respection papers inspection and committee reports, account sales, and estimates for reports, after which loss statements and half marginal references will be made out,

and all the papers submitted in one complete butch to the deputy commissary general 31 To proprue the mentility statement showing loss on 10m and malt henor resided to Furopera troops, for submission to the deputy commissing general, also other miscellaneous loss statements when any losses on other articles occur

Norm —When the loss as per cost, per manuer the statement may be an as the copy and when above if at prominge in displacific All records in an apport of the loss aftened in also did be complete and explanation concerning the loss afficient in the loss autonomous the principle of so that he reduce for all high herical.

33

To compile the annual statement showing receipt and rejections of mult liquor, furnished to the deputy commusery general

33 To pres are the eleteracent aboving loss as graging and filling up cam vate and casks on let

April, furnished to the deputy commissary general

34 To preprie were distatement showing a robable quantity of ale and parter that will be required

by cops in the following year furnished to the deputy communicary general

35 To proper the num indistatements of requirements of miscellaneous stores from Europe, and furnish information required by the commissing general for the preparation of such indents as are

dram on by his office 36 To see it it complements of stores are always Lept up and to prepare indents on other executives or departments for store and stock intudes to complete definencies of indisormed stool, or

for other purposes

87 To draft all letters and half arragan references for soverson, if necessary, by the head assistand connected with the duties of the sect on and see that replies no received

38 To examine all papers connected with the section after being copied in the copying section

39 To m the over to the mascellaneous section in its sub divisions such papers is may be required for the performance of the duties of the sub division To prop a for diputy commissary general quarterly report of empty cashs supplied to 40

Messers Carow & Co

41 To propure for deputy commission general, on 24th March, annual statement of extra blankets issued to troops

42 To keep registers of assue of rum to pensioners, &c

To preprie bill for helding &e, issued on pryment to troops To issue notice of intended sales by onetion 48 44

To propare in monthly retarn of barrack blonkets rendered to the deputy commissing general 40

48 To prepare last bodding certificate 47

To projecter all store and stock receipts received 48

To assist in the preparation of annual budget estimates 49 To check stationery accounts

To propore estimate and radent for Europe medicines To prepare annual report of consumption of stores and water in hospital

50

1-To prepare-

Special distres

To check indents for provinces for Native traces and to prepare bills for recovery of cost is deep and Dagoling executive offices. To keep a register of stones received from England Pres dency and Da perling executive effices Presidency store and shapping executive effices and to report their waved to deputy commissary gener

To endorse on pacting accounts and invoices of atoms the condition in which they are received To efforce on percent processes and arrowed on more we commune to under copy are recently to great certificates to agents of ressels, and to note in them may recovery that should be made for damage or less should there be may, and to give instruction thereof to the invarion deportance to enable it to recover the same from the freight bill of vessels. To propose a monthly shapping account of stores and stock unported and exported for the examiner

IV -MISCELLANDOUS SECTION

Bub during 7 - Periodicals

Weel!

1 -Suntary report, to the brigade major or continument magistrate Voil ly

Memorindum of sums paid for service telegrams, for countersignature of deputy commission

general 2 Statement of prices carrent for stations and emposts to deputy commissary general, and

examines of commissional area into J Critile returns, to commissary general, deputy commissary general, and examiner of com missariat tecounts

1 Return of moveable column critic and establishments, to commusary general, deputy commisery general, and evanuates of commissant recounts

2. Roll of commissioned, want not und non commissioned officers, to deputy commissing general

and cummer pro department

11 duties to pay examiner (1310)

6 Muster roll of commissioned, warrant, and non-commissioned officers, and families of noncommissioned officers, to paymaster and pay examiner

Pay bills for office establishment, to pay master Pay halls for warrant and non-commissioned officers, to pay master 8

9 Contingent bill, to promister

Pay bill of commissioned officers, to paymaster 10 Abstract of bill and contangent bill, to pryamster
Statement of moverble column establishments employed in pulling punkabs and tattie

- 13 Committee report on groceites Muster-roll of cutth Return of births and deaths amongst establishments residing in commissanat lines in 15

contonments, to magistrate and garason quartermaster Memorandum of stege trau critic detrebed for employment, to executive commissarint 16

officer, Allahabad or Perozepore Bill for substatence allowance to children of non commissioned officers, to pay master

Confidente that the station butcher has been effective, to the commanding officer of the

corps to a luch attached 19 House cont bills of non commissioned officers, to the executive engineer Report of rejections of niticles of nations, to the commiss ry general and deputy com-20

miserry genêril 21 Report of fines, to deputy commissary general

Quarterly

1 Statement of services of executive commissarint officer, to deputy commissary general

Report of necurrey of series and weights in use, to deputy commissing general

Calale returns for making authorities, to station staff officer
Statement of sums paid on account of octros and choonges tax, to deputy commissary-4

general ñ Roll of subordinates demang more than Rs 10 per mouth discharged, to deputy commusary. general

Half yearly

1 Statement showing deduction of fines and forfestures from pay-abstracts, to deputy com-

Roll showing character and qualifications of warrant and non commissioned officers, to

deputy commissing governl
8 Report on the condition of mules and gear, to deputy commissivy general

Roll of clerks recommended as qualified for the post of head assistant, to deputy commueny general

Annually

Statement of leave granted to unconcurred senants drawing more than Re 10 per month, to deputy commissary general 3 Rotum of establishments drawing not less than Rs 10 per month, to deputy commissary-

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3

Detailed statement of all permanent establishments, showing the salary of each individual, to deputy commissary general Return of pensioners drawing compensation pension of more than Re 10 per month, to deputy commissary general (controller of military accounts' culcular No. 61 of 1875)

Roll of non commissioned officers and privates withdrawn from regimental duty for employ-

ment in the commercial dependent to deput; commissing general

O Regular of smettered est bladments, to evanues; psy department

7 Statement showing number of bellocks cast by annual commisses, to deput; commissing-

general 8 Report of bullocks required for soldiers' gradens, &c, to commissary general and deputy commissing general
9 Descriptive coll of elephants, to deputy commissing general

'n. Statement of horned cattle and sheep slaughtered, to deputy commissary-general Report of presiges required for a arrent officers, to deputy commissary general

Returns of arms and accontinuents, to deputy commissing general 10.

Indust for stationers, to the supermittenest Government of theorety Indust for stationers, to deputy commissing general Statement of buildings to deputy commissing general 13 14

15 NB-The order of ungency in which at is requested the buildings may be crecied is to be carefully noted in the

statement. Return of uncoveranted servants above 55 years of age, to deputy commissing general 16 17

Clotling indents and clotling compensation bills, to the superatordent and agent for arm; clothing and examine of clothing accounts
18 Roll of non combatants, to be lept in office and report made to deputy commissary general

Return of horse-blankets, to deputs commissus general Committee report on veget bles, to deputs commissury general 19

20 21 Memorindum of vegetables, to brigade-major

22 Report on resources, to deputy commissary-general Indent for bedding for non commissioned officers 25

24 Alphabetical roll of non commissioned officers, &c , to deputy commissary general 25

Confidential report of warrant and non-commissioned officers and office establishment, to deputy commissary general

(1311) Appendix IV

Acknowledgment of permanent advance for divisional psymastic (commissary-general's 26 earcular No 7 of 1871

II -- To prepare All transfer papers of office establ shearnts warrant and non commissioned officers

Casmity descriptive soll of elept ants and makes, and report on elephrots' tusks Q.

Medal tolls of non commissioned officers

To keep recount of receipts and issues of stationers, forms, &c

To comply with indents for stationers and forms after due check

To make a it muster rolls of establishments. To keep departmental character and defaultes books of warrant and non commissioned

officers. To check cattle returns of outpusts

9 To miorm commending officers annually that good polatices are not procurable in the plans between lath June and 15th September, and if they tall them, they must be prepared to recept the procurable of the

such qualities as are procurable 10 To dirft all letters connected with the dutaes of the sub division, for revision, if necessary,

by the head us istant and see that replies me received 11 To evanine all papers connected with the sub-division after being copied in the copying sub division

12 To make over to the copying sub division such papers as are required to be copied after compilation

To prepare transfer descriptive roll of deplorate when transferred

To keep reguster of elephants 15

to proprio pension papers To prepare reports of epidemic runoug entitle (entitle form 28)

No ration certificate (non commissioned officers) 18

Cost statement

19 Certafionte of exten cookes To keep daily report book of movemble column establishments 20

Acquittance roll of office establishments 2.7

22 Present and proposed state of office establishments 23 Report of non commissioned officers and privates-probationers in the department

Sub dierman 2 -- Contracts

To prepare—

Adventisements for tenders

Comparative statements

3

Contract deeds and then schedules of rates List of contracts concluded

To usue tender forms to tenderer, excludly filling up the bisales, additional clauses &c To notify in due form to tenderer acceptance of their tenders

To forward the accepted tenders to the stamp office for impressment stamp, and recovering the fee from the contractor

To deaft all letters connected with the dates of the sob division, for covision, if necessary, by the head assistant and see that replies me received

9 To examine all papers connected with the sub-division after being copied in the copying anb-division 10 To make over to the copying sub-division such propers as require to be copied after

compelation 11 To see carefully, on receipt of tenders that they no properly agned, that rates are entered

both in figures and words, and that all erromes are duly attested.

12 To send copies of contract deeds to officers communiting coops, and also to officers in charge of outposts 18 To enquire from commanding officers, after necespt of tender if they will supply negated

waters and transing 14 To call for estimates of writis from communding and medical officers

Sub division 3 - Equipment of troops and conviouds

1 To preprie indents for earnings and establishments and equipment, reports to be passed by the head assistant

To proprie letters of instructions to commund ng officers agents, &c

To preprie preses for tall bure, incomes of slonghter eattle and sheep, &c. To draft all letters connected with the duties of the sub-division, for revision, if necessary, by the head assistant, and see that replies are secessed

to examine all papers connected with the sale division, after being copied in the copying हमके वीरास्थम 6 To make over to the copying sub-days on such papers as require to be copied after

compilation To prepare a statement of compage and establishment supplied for movement of troops

Sale divis on 4 - Misscella seous

I To desprick all letters, to, and to keep the resount of postage labels received and expended. and to pace tre labels as requied

To leep the index of commissing general and deputs commissing general's circulars and Government general or less and Government orders affecting the commissional department, and correct Bengal umy regulations

- To have charge of the office records, and see that the duftry keeps the files, &c , in order
 - To prepare requisitions for commissional miner worls

Set duessen 5 - Copying

To copy all letters and papers of the office generally when all that is required is a fair copy for either desputal on record

2 To keep all letter books

Major General Aup or Campbell The number of clerks and writers-Official g Inspector General of Ordner co z d Ma, vantes, Rei gal

- (a) at head-quarters (ordnance office) is 28, of whom 6 are on duty at Simila, and 22 are employed at Calcutta
 (6) elsewhere (that is in assemble and factories) 112
- (0) elsewhere (tank is in "userma and numbers) i.e. The deli a in the orderes of the art of the interest of the interest of the interest of the interest of the interest of the office, distributes the work, and sees that it is carried at seconding to the rottine presented, examines and initials all fur espess. of correspondence, and assists in all matters under reference

Gerls

1st class	2nd class	3rd class	ith class	5th clase	Remarks
1		1	2	2	Are employed at Sunta under the inspector general of ordinance All the important word, such as propring during, group references and general constance, longuage records or enuming letters and dominants, peopuring durit general orders &c, &c, vre performed by hob it and air class sedias, one of the 16th cites clots not as despatcher and the other as sudditor of undents, and the two files.
	1	At C	ales Ha	2	drss ones are employed as copyrids Ded with all degatmental demands in personsel, st tend and stores of country supply, prejute budget estimates, check estimates for country
		1	1	3 1	supply, &e, &c Are engloyed as record and drary keepers Are engloyed to progration of Langua indents, distrib tion of stores arriving from England, &c. &c.
::	1		1	1 4 1	Are employed in correspondence brunch Disprictiver Are employed as multicus, dury leopers, copyist, record keepes, and despatches in indent brunch Druftsman

The duties of clerks and wasters employed elsewhere (that is in usualle, depots, and fractories) are to keep ledgets discuss of receipts and reuses, aclaims of stores made and repaired, expenditume of materials and liber, check indents prepare estimates believe refurns steel reports muster rolls, pay bills, and to carry on all work connected with correspondence in respect of supply and demand

Surgeon General I H.Ker Innes Battsh Med cal Dept i nent and Pr ne pal Medkal Offeer, B insh Forces in India

Diffece clarks in all are borne on the establishment, five of whom were sunctioned specially for the statistical branch. The entire office is located at head-quarters, Sunla

The fol

Ų	lowing u	e a det	al of th	e establis	bment —				
		clerl,					Rs	300 to 400	
	2nd	do	do -				'n	200 to 300	
	Srd	do	do				12	150 to 200	
	4th 5th	do	do do				"	150 to 200	
	бth	do	do				"	100 to 150	
	7th	do	do			•	73	75 to 100	
	8th	do	do))	75 to 100	
	9th	do	do				23	75 to 100	
	10th	do	do				57	50 to 75	
	llth	do	dø				n	50 to 75	
	12th 13th	do	do do				23	50 to 75	
	14th	do	da				22	50 to 7a 35 to 50	
	15th	do	de				11	30 to 50	
							33		

The five elecks emotioned for the statistical branch, meladed in the above are the following -Lelerk of Rs 150 to 200

2 clerl s at 7a to 100 50 to 75 2 21 33 5 clerks

Brief states ent of elatics

Head clerk -- Supervision and management of general branch, drafting, prices, summaries of confidential sanitary and inspection reports, miscellaneous 2nd cleri "-Supervision and management of statistical branch, correspondence relating to

returns val reports and supplies of ferms, miscellusions as seamed as the control vertical control of the contr

White clerk - Index or register of issues, quarterly sheets of calculars, pay bills general work

5th clerk -- Dury of duly d'il, countermaking references, desprich, general
6th clerk *- Cholera returns monthly state of troops for adjutant general, modical history sheets and ensualty reports, proofs, &e

7th oler 1 + General annual statistical and sandary returns for War Office, also monthly general returns for War Office

Stit clerk -Copying proceedings of medical boards, assests in the records 5th clerk *-- General monthly returns of suck for the War Office

10th cleri "-Weel ly sick returns for Commander in Chief

11th elect —Copying assets in the records 12th elect *—General monthly returns of med for Wan Office, also the annual returns 13th cles! "-Monthly returns of nomen and children, and general assistance in other returns as required

14th cleri *—Copyist 16th cleri *—Supply and issue of blank forms, &c , copying Surgeon General J. F. Bestron Indian Medical Service Bengal 1st grade (a) I head assistant 1 resistant 2nd 22 3rd l assistant , l record le 4th ** I assistant ditto 7th ,, 1 special clerk 4th ** l assistant . 5th ,, 5th 1 mdexes 33 1 statistical elerk 5th .. 7th l assistant clerk 1 accountant 5th Oth 12 1 despatcher 6th 11 7th \$ copyrete (b) None
Tien respective duties are briefly as follows:

The head existant is the channel of communication, and is directly responsible for the daily
Mr. N. Example Re 300— orders, and for supen stending the nork of the whole office, subject to

400 400 sensity may be super account on the separative concerned with the concerte present ment of cases before rubmitting them for orders, hrving to see that regulations are not overlooked, precedents forgotium, or orders drowled to the should premarably see that every file is complete that

overy action is recurate, that the statistics are reliable, and the records maintained intact. He also drafts most of the current letters and orders

The second current when we proposited speech duties. His duties are principally directed to the bosputial vessetant class and have high been most bloomers, especially but Rundoss Grondy, he the amounts of their pay and the confluent seconds which my unably Balta Rundoss Cloudry, Rs 200-200 200-200 for arrows at seek pay was the consistent elevations when in very large and the extranalism for admission rule of the extra and the same to follow their pay all over lader, also the extra management admission rule to seek and the shelf sall better connected with these rule has other duties he propriets the manual hadgest of his deportion to including

the grunts of each medical circle and garnison and chrison hospitals together with the budget estimates of the various medical depôts, —a most sea ous and responsible duty. He has also to check the monthly bills of the various medical depotis "for local junctures" annalying the correct apportioning of large sums of money which can only be expended on the sanction of the surgeon general, he also prepares

all pay bills and indents. The account not is practically has a de in halfilling these duties, and also in proving the details.

connected with service questions of so many hospital are stants who in Babu Ome toldil Bluttacharpee Re 75-100 distant and lapsed periods seem to the memory of provinced accountants as deleted with unrecovered behaves as questionable allowances

Examines all gazeties, general orders, and earculus extracting all which affect the medical department has the entire charge of the quartaly she ets of enculars, Anisists Mr. C. G. Least from their mannersists to the principle of mequations; on the structure of the others says to the compact of the others says the contract of the others says the structure of all the subordante medical departmental examinations, in ...

admi sion of hospital apprentices, ath April-Lath October .

examinations of hospital upprenduces, list it is — let Kovember, examinations of narrant officers on the lath Junuary, let May, 15th July 1et November,

and tabultets the results for record, examines the fur copies of all the correspondence, and unitals them indose they pass to the surgeon general or searchay for his agentume, and he all o durits many of the more scrous letters, or takes precise of any longthy correspondence. The record I c per and his resistant are sufficiently indicated

by their taties. The records of this office, bound and unbound, Mr A O Mendies Pe 109-150 Babu Kilmoney Rey Rs 30-59

Similarly, the indexer, druist, and dispatcher are clears whose duties are shown by then in mes. Since the 1st April it ere leave Mr T Sm th, Rs 75—100 Mr J Mondes Rs 00—75 Babu Pearymol un B nerges Rs 50 been received in this office 4,526 communications, and there have been desputeled 1 021

These men were especially returned to complete the verified statement of service of every lospital and clore Bain A B series Rs tests to The number required will eventually full very little Special clerk Bahu A B perges Rs short of 1,000 and they extend over periods anying from 38 to 2 years. There remains the at 100, and as they are completed on an -la0 100 Assistant Denouath Ghose Re 76-100

are uge of about 10 a neck, at as confidently hoped that it will be got through by the close of the current farmers year, and this portion of the establishment can then be reduced

Copyrats Rs 30 (Kheitermo) an Glasso

Copyrats Rs 30 (Kallyco i al MooLergee

Rs 40 (Julay Lundas

Of these men, it is enough to say that not only me they fully employed, but I understan I we have had for some time two youths apprentices, who write a good band and are learning office work and wating for vienney, and that these youths also are fully employed in addition

Of the work required of these two members Lastly, no the statistical clerk and his assistant of the office I need only remark that they receive and despatch the Mr B Wurphy Rs 75—100 Mr 8. Murphy Rs 50—50

15. B Undo II. 74—100

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If it is sumply 16 50 in total areas for an openior common of the every few one quite method required from pume standing or from frong difficults are numeral to festivating orders, but they not reperted turbinates of an attacking orders, but they with reperted turbinates of and tichnocal binders of hospital resistants who of temporarily in medical charges of distributests of administration when every dominant has been concepted and passed on to the state-steel offices, Dr. Injuen, a comwhen every dominant has been concepted unto proud on to the estatistical offices, Dr. Bylgien, a com-plete and celly lastices and of this have to be propried for the annual report of the Status anny in the information of the Secretary of State. It will probably be sel ed with this day is not controlly neighbor to the statistical office, proper, to which it may be epited—for two recurses. The because Dr. Bylgien, hong decheled from his proper clare, the brid of the Indian medical descriptions, would not be with our would be have the administrative power as severe the practical substances and his prompt connection of those thousands for estume from all our India, and the statistics would multiply full miss outerable continuous, and executify, because ho, as the election offices, meaning detricals from the control of the suppron-general the returns necessary to exhibit the descriptions to necessaries must heave of the Nangeon-general the returns necessary to exhibit the descriptions to necessaries multiproter of the Nangeon-general the returns necessary to exhibit this deputiment to menare its manual leport of the Nature army would not be forthcoming or would be objected to an labringer suggested until all discipling was at an end. If the Government really deure to combine efficiency and economy, I venture to observe that the proper direction as to relegate the statistical officer to the authority of the sungeon general, and combine his office with the present

Di J M Ciningham tary Comm success mi Government of India with the (a) General branch-2 resistant elerte

Statistical branch-1 head clerk 5 nesistrut eleiks (3) None

The two assistants of the general branch are merely copyrists. The head clerk manages the office, and goes over all the work cheeks the figures and other stalements made in office letters and notes The statistical brunch is entirely taken up with slittistical work

Colonel T B Harnson Con-troller of Milsters Accounts, Bergesi

(a) OFFICE OF CONTROLLER OF MELITARY ACCOUNTS 1 head assistant 3 lat class resistants

4 2nd ditto 5 3rd diffo 5 4th ditto

9 5th ditto 27

Extende and marine section

The head assistant and four clerks are engaged in this sub-division of the office. The preparation of the animal account strikements of reports on early from an sundantana or of the preparation of the animal account strikements of reports on establishments and the mentionness of the establishments and the mentionness of the establishment books, of metters relating to ferms and of the Indian menune, we calcusted to this sub-division

Pay section One 1st class assistant and two cleaks enery on the worl of this section, which, as its name denotes, deals with ill questions reguding pry and allowances and travelling charges

MINORALANDOUS SECTION

Consists of one 1st and two 2nd class clerks who deal with all questions relating to the commissurat, stud, clothing ordnonce, and medical departments that are not connected with the estimates or pay

PEZSION SECTION

Consists of two clerks, who deal with all questions relating to pensions

RECORDING AND RECUSTREDA SPCTION Consists of five clerks whose duties perturn to the recording, regutering and indexing, of all documents, &c

DESPCTORES One elerl. Соругия весточ

S x eletks One 1st class clerk on deputation to Unaballa One 2nd class clerk absent on medical leave

(5) None (a) OPPICE OF CONTROLLER OF MILITARY ACCOUNTS, ACCOUNTS BRANCH

> Hilstory branch 1 protespal elerk 3 list chiss clerks 3 2nd ditto 6 હેલ્લે ditto 8 4th ditto 16 5th ditto 5 copyrate 6 computers

48 Ma vne branch 1 2nd class clerk 14th ditto 1 5fb ditte

l copyast 4

One principal clerk and book lesper supervises the clerical business of the office, and has direct control over the book Leeping sub division

ACCOUNT CURRENT SUR DIVISION Two clerks -- Have the general charge of all the accounts and deal with the correspondence that may arise in connection there with

HOME SUB DEVISION

No a clerks -- Deal with all the transactions adjustable with Her Majesty's Imperial and Indian Governments in London, and prepare and record the various abstracts and returns relating thereto

INTER DEPARTMENTAL SUR DIVISION. Tivitees clouds - Examine and adjust all trussest any between the multary department of this presidency and the several civil governments provinces and administrations, the public works department India, and the military account departments of Madras and Bombay

BOOK KEEPING SUB DIVISION Seven clerks - Compile the military books and accounts submitted to Government through the accountant general

REGISTERING SUR DIVISION

Tiret clerks - Register and index lotters rece ved

COPYTAG SUB-DIVERSOR

Four clerks — For family remationee rolls Seven clerks — General elernoil work of the office

O e clerk - Desputcher Oue clerk - Record Leeper

(b) None

(a) OFFICE OF EXAMINER OF COMMISSANIAN ACCOUNTS

1 superratendent 51 elerks Se computers 5 copyrsts

92

O to a operate ident - Supervises the working of the entire office Two assistants -Conduct the general correspondence of the office Pour assista to -Supervise the cash, store, and stock audit

CASH AUDIT BRANCH

Forty eight assistants - Audit executive officers' monthly disbursements in the twenty four commissariat ranges

Store Eleves assistants -Audit executive officers' monthly store and stock returns, returns of purveyors' stores, &c

RAIFWAY AND BULLOCK TRAIN BRANCH Four assulants - Deal with transport charges

CASH ACLOUNT CURRENT Two assistants -Do the work of this section

Step section

Two assistants -Do the work of this section

COMPILATION BRANCH

Seven assistants COLVING BRANCH Seven assistants RECORD SECTION

Tou assistants (d) Node
(d) Office of Pay Example Military Account Department

1 sm erintendent 4 1st class assistants 4 Snd ditta

8 3rd d tto 15 4th ditte

28 5th entic 19 copyists 13 computers

92

One superintendent —Superintends generally the worl of the office

Three annelants —Audit the pay lists of office establishments and pay bills of officers and other who are neither in regimental ner striff employ

STAFF BUB DIVISION Siz negetants -All staff bills and muster rolls are audited and cheel od, and all correspondence relating thereto is carried on in this sub division

BRITISH TROOP SUB DIVISION

Twenty three assistants -The pay lists and accounts of British troops, and all correspondence connected therewith are undited and earned on in this sub division. SATINGS BANK SLOTION

One sunstant - Audits the regiment's savings book accounts, I cops the ledgers, and conducts the

correspondence connected therewith NATIVE TROOP SUB DIVISION Eight assistants -The pay lists of regiments of Native caralry, artillery and infantry are audited in this sub division

COMPILATION SUB DIVISION Thereen assistants - The classification and compilation of all the charges passed in the office devolve on this sub division

LENGER SUB-DIVISION

Four assistants - The pay of every officer and warrant officer to posted into the books by this subdivision

BILLS AND PERSION SUB DIVISION Bight assistants -The audit of all pensions, payments, and the maintenance of the pension registers are entrusted to this sub division

CARRING STR DIVISION Consists of twenty four copyrists

RECORD SUB DIVISION One are stant -In propertyl charge of all the records

(b) None (c) ORDHANCE EXAMINER'S OFFICE

The number of clerks and writers is as follows -

1 superintendent l lst elass cleri

1 2nd diffe

2 3rd class electes 6 4th difto

17 5th ditto 5 copyista

13 computers

46

During

One unper utendent - Supervises the framing of reports, statement- &c , and the cloneal business of the office, occasionally checks the accounts, and assets with his opinion doubtful points submitted by auditors

ORDNANCE AUDIT SECTION

One elerk — Superintends the audit of factory, arrend and depôt monthly jointals, and the unual factory accounts compiles the annual accounts of the small arm ammunition tactory at Dum Dum, and carries on correspondence

Two cleris — Audit factory, arsenil, and depôt monthly journals and material reports, dispose of Durope invoices and prepare statements of stores to

One oler and two computers - Assist in auditing factors, arsenal, and depôt monthly journals and materral reports

Account section

One clest - Keeps up the abstract ledgers of sto es, prepares statistical statements as required and monthly returns compiles statements of securities deposited by contractors, and audits schedule of inter departmental payments

One clerk -- Prepares all valuation striaments of debuts and credits, keeps up a register of Europe stores, and draws up various statements and rejorts

One clerk -Audits each recoveries of stores supplied to corns individuals, and foreign States, forwards treasury receipts to effice of controller of military accounts, and disposes of all packing at Animts

Three clerks, one copyrit, and one computer -- Calculate and rate entries of receipts and issues in daybooks of factories, arsenals, and deputs

Oue clerk and one coup ier -- Prepare and wheely valued on statements of stores supplied on payment or lest or danoged and draft letters in connection therewith

One clerk -Audits bills for extra establishment and contingent charges for factories, arsenals, and depits and bills for cump compage &c, and drafts letters in connection therewith

One clerk—Prepries whichoes statement of stores token by regiments leaving this presiding, and

other roturns and statements O is computer - Keeps index of bills received and audited, and issues vouchers for payment

RESTRIBUTAL AUDIT SECTION

One clerk -Superintends the audit of half yearly equipment ledgers of ordnance and military stores (keeps up register of returns received and audited and carries on all the correspondence of this section

Four elect's one copy at and one computer .- Their duties are alike, and consist in auditing array and miscollaneous half yearly equipment ledgers

Ous computer - Compares invences of stores received by corps and hatteries with monthly journals of areenals and dopbis

Oue computer -Audite returns of ordinance stores in charge of multiary departmental officers returns of camp equipage, and accounts of rest camps

GLYLBAL STOCK STATIOY

Three clerks and ino computers -Audit all store ledgers of factories, arsenals, and donôts

CURRENT SECTION

One oler! -Indone, all recenpts and usues, and keeps up a stationery ledger Three elerks, too copyrate, and two co spriters - Fair copy letters and other documents

One copyret - Despatches pripers
Two eleris and one conputer -In charge of records

(i) None (a) OFFICE OF EXAMINER OF CLOTHING ACCOUNTS

1 2nd class assistant

2 3rd do assistants 1 4th do assistant

5 5th do assistants

6 copyrets 1 computer

16

O to assista it -- Supervises the general working of the entire office

One named at -Deals with questions reluting to 'necessives branch and a portion of the generd branch relating to accounts

One assessment —Prepares annual seconds current of stock and each, &c One assessment —Attends to questions relating to the stock expenditure of clothing made up in the

Fire assistants —Keep the stock ledger and various registers, and assist the other clerks generally. O to assistant -Record keeper

Sia copyrete

OFFICE OF EXAMINER OF MEDICAL ACCOUNTS One a perintende it - Conducts correspondence frames reports, and exercises general supervision over the establishment.

One elera -Supervises the work of the medical store vection, and conducts correspondence connected therewith

medical department, and prepares budget estimates and other statements

One clos! - Supervises the work of the commuserest supply section, and conducts correspondence One clerk -Compiles commissional recounts for charges meaned by the commission of the

annual stock accounts, and conducts correspondence connected therewith

One elech -Prepares the rate last of stores, the quarterly each recounts and compilations, also the One cles ! - Prices undents and stores assed from medical depôts and annual stock accounts

One clark - Compiles commission it accounts for charges incurred by the committee for the medical department and assists in the preparation of budget estimates and statements One cloth -- Cheel a transfer lasts and half-yearly reining, conducts correspondence connected there-

with, supplies references and desputches letters One clos ! ... Checks duct seturns, and propers returns of stamulants and other statements

One clerk - Checks and prices articles returned into stone, and prepares loss statements and rate lists of stores One clerk - Keeps register of indents and invoices of stores assued, stationery accounts, and pre-

pares miscell meous statements One clori -Propers data for annual indent, rate last of stores, and proces undents and stores assued O to clork - Keeps ledger of recespts and assess of stores of the Allahabad depôt and audits returns

connected therewith

Two cloths —Price indents and stores issued from medical depots and annual stock accounts.

One clot/ —Checks half yearly returns of surgical instruments, and keeps postage accounts and

One elect —Prices in lents and stores usued from medical depôts, and comes letters

One elerk—Compules commissaurat recounts, and resists in prepring budget estimates
One elerk—Keops ledger of receipts and insists of utores of the Alexan Meer deput, and audits

returns connected therewith

One clerk - Keeps drary of letters received, copies letters, and prepares statements Total 20 clerks

(6) None (a) OFFICE OF EXAMINER OF TUND ACCOUNTS

One ofer? - Conducts correspondence, and supermittends the working of the office under the orders of the examiner

One clerk -Drafts letters, and prepries periodical accounts

One alorh -Drafts letters, propers home returns, undexes, and takes notes of promotion, &c. One clerk - Prepries statements of subscriptions, execulates interest, and makes out accounts under

One elerk -Posts receipts on account of subscription and family contribution to the orphan fund, keeps general and statistical register of children, and prepares quarterly returns of them for transmis-

sion to the India Office One clerk -Makes out balls, budget estimates of Kidderpere house and lower school, audits pay-

mente to outwards, keeps accounts of both schools, and analyzes certified lists Bloom sterie - Keep the ledger accounts and registers, and conduct the general work of the office One sterk -Rosond-keeper and reference cleak

Ino clails —Copyists One clerk —Vacant

Total 21 clerks

(b) None (a) PRESIDENCY PAY OFFICE. I head resistant 5 2nd class assistants 6 3rd do do 5 4th do do 1 taeasurer 1 moonshee. 19

PAY SECTION

One assistant —Supervises the working of the entire offices
One assistant —Steeps up registers of I annly remitted, miscalinateous deposits, &c
Three assistant —Check establishments pay bills, trivelling bills, officers' pay bills, &c, adjust demands, and assoc last-pay certificates

Two are stants — in charge of register of all pensions paid by pay section, register of service funds, &c , and nailse out disbursement schedules

Los assatants -Write cheques, authtary and marine, transfer receipts, &c Ov assistant - Reference clark

One assistant -Diary keeper.

Іно соругава

One cash-keeper

PERSON SECTION

Three essuitante —Deal with all questions relating to Neisre multiary pensions, prepare all sole-dules and rotums, and conduct the correspondence of the section One treasure — Mikes pryments, and keeps vermonder each book

One moonshee - Performs vernacular work

(a) NOTTH WESTERN PROVINCES CIRCLE

Allahabad Pay Office

1 let class assistant

Stratege of bad 8

9 and do

3 4th do 2 incasurers

2 moonsheer

28

Duties are the sume as in the presidency earlie pay office

(a) None (a) Punjan Checke

Pay Office

1 1st class assistant 6 2nd do assistants

5 3rd da 3 4th do

1 moonshee .

1 treasurer 37

Duties are the same as in the Presidency circle pay office (i) None

Mojor O B Koutessch Ac-

(a) At head quarters

(b) At Calculta and their respective duties are as follow -

Mr. Tokes, chief accountant-

His general supermon of the olice calculations. Durinhutes proper to essurants, and notes thence how they are to be required, for lineases and metals all pay and confingent billiof the office before submentant for urganizare. Thesis allowers each by point on Her Magnetty's serince Applications for levers, for five restinction are made through the cheef accounters.

All cases, drafts, &c., are submitted by the assistants through the chief accountant, through whom also all papers are ordinarely sent to office by the accountant-general and assistant accountantgeneral..

Has general charge of office cash and stationery

unget warrants
Anny arresters (War Office)
Herre Guarde general orders
The made applicable to India, and prepared and G. G. Os

Notes for orders those selecting to pay and allowances where
The made applicable to India, and prepared and G. G. Os Notes for orders those relating to pay and allowances which

Estuates, military—Budget, revised, and cash requirement. Examines, consolidates, and prepares reviews thereon for orders

necesses anceon my orders

Repeatative, subling — Turnshes explunations connected with, propores annual report on—
Pay and allows on — Propores cases relating thereto
Pay Code for India — Propares draft general orders of corrections in , and correspondence conneeted with-

Mu Dias, semor constant-

Prepares for orders cases on the following subjects, also keeps a note of all Government decisions bearing thereon -

Appointments Army Last. Asyluns Camp followers Claums

Clothing Commands Discharges Disturbances

These Lobstment Letates (Native troops) Pield operations

Foreign. Furlough and leave Guards

Medals and rewards Memorals Military department Officers Pensions Prize Bewards (Native army) Savings banks

Honorary distinctions

Honors and rewards (officers)

Service Special Striff corps Volunteer corps Women and children MR primoves, sensor assistant-

Prepries for orders cases connected with the following subjects, also keeps a note of all Govern ment decisions bearing thereon

Accommodation and quarters

Account department making officers (Appointment promotion, and distribution

of officers) Budgets -Notes all orders affecting-

Bunack Department Cantonments Complaints Defences

Discipl ne Judicial matters

Passages (land and sea) Pensioners-Analyzes the returns of mi htary and civil-paid in the military

ent-of departments and factories in the three presidencies Royal engineers Med erl depretment Organizat on Samtataon Transport of baggage and stores, &c Rolling parties

department In addition to the above, Mr deMonte assists in the examination and consolidation of the mili tary budget esimates

MR CLERTON, let elass assistant—
Prepries for orders case, connected with the subject "manime", also keeps a note of all Govern ment decisions bearing thereen

Mause buileds —Scrutimuss the annual budget of Bengul, Madius, Bombuy, and British Burma Mause of cass —Keeps a corrected list of —

Admin of cost - accept a corrected his tell-density proceedings—Promotines—of local governments and subrarts for orders any decention or resolutions that an accorded opposed for ride or otherwise respansing notice.

Mg Buryer, Sade data assessment of process on printing His delice are at present distributed.

among the other assistants

Property for orders cases connected with the following subjects, also keeps a note of all Govern

ment decisions berning thereon -Advances Agneultural Artallery Camps Commissanat Drill and justification. E01925 Inspections Native Linguages Natave States

Ordnance Organization budget appendices

In addition to the above Mr Bryant assess generally in the examination and preparation of the

Regulations

Declesastical

Educational

Exhibitions

Schools

Stads

Equipment Establishments

Unattached het

Way mt officers

Funds (I S P P only)

Vetermary department

BANU M L GROSE 2nd class assistant-

Record keeper and reference clerk, has change of all documents, and maintains detailed reference

Mr. Cock 2nd elan anustant-

Is in charge of the following statements and returns connected with the inshirry accounts of the three presidences, municipal the same to date keeps a note of decisions, &c, connected therewith, and drafts correspondence— Camps of exercise Loudon account current

Cash and deposit recount behaves Expenditure (receipts and charges) I muly allotments

London recount current schedules and vouchers BABO B M BANNERIEE, 2nd class outsto it-

Page funds Remittance accounts current of the Sceretuy of State Remittances, soldiers', &c

Railways (use of-by military depart

Register - Keeps up a-showing the fnancial effect of all orders relating to

Reports - Reviews and prepares for orders

the unusal administration and finan

ment)

Regimental institutions

army expenditure

Savings broke Her Myesty's Indian troop ships

Indeste a il estre alte for Europe stores appertament to the several departments in the three presidences. Examines and prepares revenues thereon for orders, size divita correspondence connected the certain loges note in all dismonstrating to indeste and estanctes. Cimps of creacise - Prepries estimates of cost of-

Reliefs and wave ne the of troops —Propress estimates of earls oft—

Model for the process of constant of troopin pand as Ingland, and of supercess desputeled to India—

Examps and propress them for orders

In rult ont to the above Babe B Manaeryce propers when required estimates on general pustions affecting military expenditure, and assess in the propersion of the budget appendies and the military budget estimates of the three presences

Mr. Manua 3rd class anustant-

Regulations -Corrects to date the various unlitary and pay regulations and codes, and assists in general work

BING K C CHATTERIFE, Wh class assistant

(at Calcutta)

Record keeper and reference clerk at Calc the

Has charge of elationery and office cash at Calentia

Band G C Chargenger Sed class anistant— Assasts Mr Cook with the accounts and Mr deMonte in Leeping the register showing the financual effect of all orders relating to army expenditure, also assists generally in the budget work.

Mr. REMEDT, 4th class constant

Supernatends copyrits, examines all papers copied, and supervises despatches

Ban M. L. Dass, 444 claim assistant—

Assistant record keeper and reference clerk.

Office bills—Pay and contingent, prepares these

Office cash advances

-Has charge of—at Smil-, under the orders of the chief accountant

Mu Winen, 4th class amstant-

Mn Country, 5th class ounstant Keep the regulers of all documents received in and issued from office

Bang A C Chargenger, 5th class assistant— Desputches BARO S C CHAPTERIER, 5th class assestant-

Copyest and general assurtant in indent section BARU N C GUPTO N O K MITTER

(at Calcutta) Annu Kurnin BABU B N ACHARIYA, officiating

(a) Fide schedule No 19 m mewer 9

Celonel B Walton, S pdt and Agent, Army Clott lay Bengal Colonel J K. Couper Durislar of Army Remount Operations

(6) None Tute following statements of the offices of director and of the Hapar An office allowance of Rs 100 per month was sanctioned by Government for the remount agency at Calcutin when it was first establish

Copyists, &c

ed, and the same arrangement continues in force Statement showing the number of writers attached to the office of the director of army revenut operations, and their respective duties

ho	ho Dosception		of	pay	Nature of Jates
-	Had clark Tirst writer Second writer	250 120		P 0 0 0	Conducts correspondence, and regarters all decomments recoved, pasts up sufference councied with correspondence, and more view office general moderns, and important indicates, and proparer of statistics of temomits, they annual air was all the gament air was also gament of the proparer of statistics of temomits, they amount air was a described opposite and despetches, checks calculatures of deposit fills and estimate movered.

Statement showing the unimber of writers attached to the Hapur remount depot office, and their respective

distance									
70	Descript on	Amount of pay			Anture of dut es.				
1	Head writer	Rg 120	A	9	Correspondence, cash-book ledger, &c, keeping of the recounts, returns &c, and to check all stork and cash recounts To exercise a general supervision over the whole of the office				
1	Second writer	50	0	0	people, and see that each performs his datase properly Dules, bulls, descriptive roll of remounts, steel-book and returns, muster roll of Native depolerant stable establishments.				
1	Third writer	20	0	0	copying correspondence and postage books. Copying of returns, falls making of remoint tacket, and keeping registers of borses, making kineself generally useful, such as thing the second clerk a and godown billate's dutaes.				
1	Tresturer and moonshee	24	O	0	Reserve correspondence, keeping of cash-look and accounts in Person				

Statement showing the number of writers attacted to the Saharunpur remount depot office, and their respective didics

No	Descript on Amout of pay		Nature of deter					
1 1 1 1	Head writer Second writer Tund writer Treasurer and moonshee	50 0 0 20 0 0	Conceptuations, arounds and book-keeping Keeping register of houses and preparing fulls, &c Copyst, I copie of dather and bills, &c Cach and vernacular accord I coper					

J II D Hallen I'm General Super i to do f of Horse Breeding Operat one

At the head quarters-

Office of general superantendent- head elerk 1 second clerk

I thard clerk and moonshee 1 fourth clerk

In each of the offices of assistant supermitendent 1 head clerk l second clerk

1 moonshee The dates of the office establishment of general superintendent have been detailed in the preceding canver (No. 9). These of the assessment was to come you correspondence with local Gorenments general superintendently, horse breeding operations, and distinct or even officers,) only may give a Gorenment stall one and of branded more in both English and terriculty, sense extracted fregisters to the officers of the procedure of the control manner, whinth to the office of general is puntated and a name, the officer of the control manner, whinth to the office of general is puntated and a name, the officer of the control of the control manner, which is the officer of the control manner, which is the officer of the control manner, and full for the control of the cont for keep of stillions contingent expenses, &c , in connection with the operations of this department

Major-General SrP S I umsden mon on Adjutant General in

(a) 31 clerl's and 15 writers

(6) No clerks employed elsowhere divisional offices are paid from the Rs 135 per month allowed to the assistant adjutant-general The duties of the cierks at bead quarters are detailed in the accom-

panying office* manual, section IV

Colonel C C Johnson Offi custing Quarter Maries General a

At head quarters-European clerks 72 Native ditio 11 European draftsmen Natave

When the intelligence department is established, it will consist of-

1 sergeant 2 corporals 7 mivates

With divisions-

European and Native clerks 20

The salurnes of these latter being fixed, divisional officers have discretional power to entertum European or Natives as most convenient

Daties -The European clocks at head quarters supernstend branches, write notes on cases, draft correspondence, Loop duries, prepare important returns and compilations write press examine and report upon cantonment fund and punkah and tattie estimates, and check recounts, also examine the work of the copyrate

The Native clorks leep office cash accounts, prepare indents and periodical returns, assist the European record Leepers, Leep office indexes and reg sters, copy correspondence, and despatch letters Divisional offices

The clerks in these offices perform somewhat similar duties to those at army head quarters, with the exception that, being less efficient as regards education, training, and experience than the more highly raid clerks at head quarters, all the important reports and correspondence are prepared by the departmental officers attached to communds

Celonel A II Murray Deputy Adjutant General Royal Articlery in India

There are none European elecks and two Native copyists on the exhibitment with one temporary hand (Nature copyst) during the present pressure of work, owing to the Cabul compagn. These are all

at head quarters
The duties of the head elerk are to receive and open all official letters, receive them after being entered in the dray, and submit them for orders with the usual previous Pipers and report, and distribute the work amongst the clerks under him. He submits all letters for signature, keeps a check upon issue of stationery and upon all contingent bills, supervises, and is responsible for the working of the office generally

Commande in Chief keeps the confidental reputs and books)

[Appendix IV (1323)

Two are employed with the returns and correspondence relating to them

One with promotions and transfers of non commissioned officers and men, practice, &c , and

three are occupied with the charies, preses work, and comparing
The Native copyrsts write four letters from drafts, copy enclosures, &c , and despatch

All these men are fully occupied from 10 AM until 5 30 PM, and some of them commence much earlier and cease much later, working even occasionally on Sundays

Colonti J Young Judge Adve-cate Gentral Bengal

All at head quarters Head audital is channel of communication between indge advo-cate-general and office, receives, registers, and keeps notes of cases received, and propares them for submission to me, drafts replies in

Communder in Chief's agentses within his special promote, above interim loader projection for Communder in Chief's agentses within his special promote, above interim loader proprietation for communder in Chief, and takes action on the orders received, his special importationation of their communication Chief, and takes action on the orders received, his special importation for of the communication contains that require of all reports, letters of the property letters to the Communication on Chief, induces all office options looks, and chief a study of the communication o

office returns

Third constant registers all courte-marked and monthly returns of courts marked (Native) from divisions, prepares returns relating to courts marked, and helps examines Fourth assistant indexes office letter book, doelets and deposits papers, is despetcher, and helps examiner

Seven Native writers transcribe all reports, memoranda, letters, &c , for despatch and for office books, and help the assistants in answering references, depositing and filing courts-martial

Recent arrangements having somen h t reduced clement labor in this office, in event of any Native writer finding employment in other offices as one or two of them have applied for work would be carried on without filling up their places, unless such should be found absolutely necessary

P F Coll ne Evg Principal Vetermary Surgeon Bengul Army

(a) At herd-quarters, one herd clock and one writes (6) Elsewhere, at Meerut one head clerk

Major A S Ileator D rector of German: Instruct on 12 India

There are no clerks or writers in this department receiving Government pay either-

(a) at head quarters, or (b) elsewhere

Mayee H. J. Wallower Laspecter of Gymnes as a fields

One clerk at head quarters, who makes out all returns copies letters, &c , and keeps dury of letters received , ulso despatches all covers, &c suite answer 9 The clerk is paid out of the office allowance

Major F W Down Supercited out Britist Army Schools

One writer on Rs 30 a month in the office of the superintendent only His duties are indicated in answers to queries 1 and 9. I have lately renewed an orgent application several times made for additional clement assistance. One writes is wholly madequate to the requirements of the office

Major F. H. Marri. Super atond ent Judice Army Scients Unbillin Celetici B. A Moore Asting Comm stars General Madras I have only one cleri, who copies and I ceps up registers and record-books from my papers, with all other office duties A list of the clerks was forwarded with my reply to query 4 (6),

Colonel S H F Charmer st charge Ordenace Department Medical

One manager, one deputy manager, and twenty-three clerks in the office at head quarters none belonging to the office elsen here

There are, however, fifty eight clocks employed in arsonals, factories, and depote it Madias and out-stations

The manager has the general supervision of the office.

One deputy manager and three resistants in the ordinace section are chiefly employed on correproduces, returns, reports, its, connected with members of powder, faces, takes, gen-carrayes, fee, pulses to references from Government requiring war matter, it.e., own reproduces with regressive produces, actions, solutions to, and general questions respecting, compared to preparation of elimination reports and annual statements of allotments and epulsements of facts, arrangements, because of the compared to

section I

commentation rejects on a minute transmission is instruction on experiments on experiments of the control of the Control of th

stationery undents Standing there on the desirable promotions profings removels, &c., of officers, varient and non-concausaoned officers, and of the Dunpean and Nature establishment, and general correspondence regarding games and of the deputinent

One clerk and three assistants employed in four copying letters, returns, reports, statements, &c.

One clerk and four assistants employed in attending to record department, keeping postage accounts, and despatching letters, &c

One clerk keeps a general register of all documents received in the office All clerks in factories, arsenals, and depôts are employed on the usual routine work of their

Surgeon General C A Cordon to CD Promptel Medical Officer The terms "clerk" and "writer" as applied to the surgeon general's office are symonymous British Forces, Madras

Statement showing the number of morders attacked to the Saharungur remount depôt office, and their respective duties

Na	Descript on	Amount of pay	Auture of duizes
1 1 1 1	Head writer Second writer Third writer Treasurer and moonshee	50 0 0 20 0 0	Genegordenes, accounts, and hool-Acquing Kooping regator of house, and preparing bills, &c Copysis, heapen of dashes and bills, &c Cash and vernouslin 10000 keeper

J H B Halles Roy General Suprements sheef of Horse Breeding Operations

At the head quarters Office of general supernateudent-

1 head clerk 1 second cletk.

I third clerk and moonshee 1 fourth clerk

In each of the offices of assistant superintendent-

1 second clerk 1 moonshee

The duties of the office establishment of general superintendent have been detailed in the preced The daths of the outer establishment of general supermissable have been deathed in the providing mener (No.) These of the sustaints in to bearing on correspondance with level Governments, general supermissable, howe breeding operations and dathed or evil officers, level purposes of Government shapes and of branded manes, in both England and extremelts; sense extends of register earlifying dates of sowing of names both of produce, &c, to the owner of each branded mane, school, to the office of general supermissable namely half-yearly, parterly, and recoffily statements and both for the office of general supermissables should be considered with the operations of this depart. ment

Major-Graceal Sir P S Lumiden co our Adjutant-General in

(c) 31 clerks and 15 writers (d) No clerks employed elsewhere, divisional offices are paid from the Rs 135 per month allowed to the reasont adjutant-general

The duties of the eler's at head-quarters are detailed in the accompanying office's manual section IV

Colonel C. C. Johnson Citi casting Q arter Master General is India.

At herd quarters— European clerks 10 Natave datto 11 Luropean draftsmen ō Natave

When the intelligence department is established, it will consist of-1 sergeaut

2 corporals 7 privates

With divisions-

Lutopean and Natava elecks 20 The salattes of these latter being fixed, daymonal officers have discretional power to entertain

European or Natives, as most convenient

Buttes -The European clerks at head quartous superintend branches, write notes on cases, draft correspondence, I cap distres, prepare important returns and computations, write precess, examine and report upon conforment fund and punish and takes estamates, and these recounts, also extrame the work of the copyrate

The Nutive clerks keep office cash necounts, prepare indents and periodical returns, result the Duropean record keepers, keep office indexes and registers, copy correspondence, and despatch letters

Divinional offices

The clerks in these offices perform somewhat sumir duties to those at anny head-quarters, with the exception this, being less efficient as negative disastion, truting, and experience than the more highly part clerks at head quarters all the maperium reports and correspondence are prepared by the departmental officers attached to communities.

Colonel A. H. Marray Deputy Adjutant-General, Royal Artiflery in India.

There are more European clerks and two Native copyists on the establishment with one temporary hand (Nutivo copyrst) during the present pressure of work, owing to the Cabul compugn. These are all

t herd-quarters
The dulies of the herd clear as to recove and open all official letters, receive the nother being endeed in the dairy, and submit them for order with the usual previous propers and report, and dutabate the work unempt the decks work than Ho subsisted like work unempt the decks work than Ho subsisted his term of agenture leges a clearly on sixue of strikenery and upon all contingent this, supervises, and is

The second and third clocks dust and write lotters.

Commander in Chief, keeps the confidential reports and books.

(1323)

Two are employed with the returns and correspondence relating to them From the employed which has executed that the representative recently an other One with provincious and intensities of the commenced efficies and men, practice, &c., and three one ecopyoid with the dames, profess work, and comprung.

The Native copyoids write furtherise from dails, easy enclosures, &c., and despatch All these men are fully occupied from 10 a.m. with 5 30 c.m., and some of them commence much

earlier and cease much later, working even occasionally on Sunday

Colorel J Young Judge Afro toto Central Bengal.

All at head-quarters

Head constant is channel of communication between judge advo-

ento-general and office, receives, registers, and Loops notes of cases received and prepares them for subvession to me drafts replies in cases within her special province also warrants under proparation for Commander in-Chief's significe, preques schedule papers for the Commander in-Chief, and tales

action on the orders received, has general superintendence of office Second sensions currently are copies of all reports letters, &c., prepares abstracts of courts marrial for report to the Commander in Chief, indexes all office opinion books, and checks sundry

office returns That I assisted registers all courts murial and monthly returns of courts-mortani (Native) from divisions, prepares returns relating to courts martial and helps examiner

For the constant indexes office letter book, dockets and deposits papers, is despatcher, and helps examiner Sence Meline medera transcribe all reports, memoranda, letters, &c., for despatch and for

office books, and help the assistants in answering relationers, depositing and filing courts martial

Recent arrangements having state what reduced closed labor in this office, in event of any Native writer finding employment in other offices, as one or two of them have applied for, work would be carned on without filling up their places, unless such should be found absolutely necessary

P F Coll at Fog Pri e pal Vetersuary 8 rgron Bei gal Army

(a) At head quarters, one head clerk and one writer (6) Elseubers, at Meerut one head clerk

Major A. S. Huster D rector of Garrison Instruct on m Indus

There are no clerks or writers in this department receiving Government pay either-

(a) at head quarters, or (b) elsenhere

Mayor H J Hallowen Inspector of Gymnas a m India

One cleak at head quarters, who makes out all returns, copies letters, &c , and keeps deary of letters received also despatches all covers, &c redo mara en 9 The clerk is paid out of the office allowance

Major P W Dean S permitted cal, I study Army Schools

One writer on Rs 30 a month in the office of the superintendent only. His duface are indicated in answers to quenes 1 and 9. I have bitely renewed an urgent application several times made for additional elerical assistance. One writes is wholly madequate to the requirements of the office I have only one clert, who copies and keeps up registers and meand

Major F H Morsh Superinfield ent, Asiate Army Schools Umballa Udord B. A Mose, Acting Community Go seel If dras

books from my papers, nith all other office duties A last of the clerks was forwarded with my reply to onery 4 (0), scetara I

Ocionel S. H. E. Clamer as charge. Ord 2000. Department, Madron

One manager, one deputy manager, and twenty three clocks in the office at head quarters, mone belonging to the office closwhole There are, honever, lifty eight clocks employed in arsenals, factories,

and depots at Madras and out-stations The manager has the general supervision of the office

One deputy manager and three assistants in the endnance section are chiefly employed on correspendence, returns reports ac connected with minutacture of punder, fazes, tabes, gan-cirriages, &c replies to references from Government in anding wir modered, &c correspondence with regiments regarding alterations, additions to, and general questions respecting, comparents, preparation of administration reports and amount statements of allotments and equapments of forts, armaments, &c.

One clerk and two assistants,—checking and passing undents from regiments, batteries, and depart ments for supplies examination, &c, of arms, beards and third en il master remourer's reports

ments or supplies "climination, so, on ming communities that this measter removers property of the climination of the assistants, properties of entered budgets, estimates of cost of Europa atoms, among indeed for Europa atoms, among indeed for Europa atoms, among indeed for Europa atoms, among of the estimate of the estimate of the entered and resume of the estimate and tenders, and obsolving and approximate of contracts and tenders, and obsolving and approximate of contracts and tenders, and obsolving stationery indents

One clerk and one assistant, promotions, past ugs removels, to, of officers, warrunt and non-commussioned officers and of the European and Nuture establishment, and gouern correspondence One clori and three assistants employed in fair copying letters, returns, reports statements, &c

One clerk and four resistants employed in attending to record department, keeping postage recounts, and despitching letters &e One clerk keeps a general register of all documents received in the office

All elerks in factories, avenals, and depôts are completed on the usual routine work of their offices

Surgeon General C A Gordon The L ND OD Pruce pel Hoderal Officer, office are a:

X" and "wrster" us applied to the surgeon general's

There are 11 elenks, our at head quarters at Ostreamund

Some are employed in the statistical branch them duties being, under supervision of the manager, to abstract the various stems of statistical information from the weekly and other periodic returns, and to prepare the venous statistical tables required to necompany the annual and other reports sub-mitted to director general, army moderal department and to Government. Others are employed in the correspondence department, their dates being confined to copying, indexing, and registering the office correspondence drily received and issued, and in Lecturg up the various office records

Dr H P Gowald Act ag Sur geou Coneral Indian Med cal Ser vee Madras

(c) The office establishment of writers at head quarters is-1 manager

10

1 exammer 1 budget clerk 2 fast class cleaks 2 second class clerks S copyists

I registering and despatching clerk. 2 record-keepers

(6) There are no clerks or wasters elsewlere than at head quarters

The respective duties of the several members of the office establishment may be briefly summarized thus -Manager - Dufts letters under orders and for the approval of the surgeon general and secretary,

arranges for the enlistment, education, and posting of medical subordinates, diafts the military budget estimates of the medical department, exercises a general supervision over the office, and is the common referce Economer and anderer - Compares transcripts with originals Leeps dury of daily transactions,

indexes all disposals before despatch, assets in the disposal of routine papers, and compiles the quartorly sheet of circulars and general orders In the destination that the same based of the medical department, monthly ray abstract of the office, through modest for Discovers entered above to the Home Government, and the forecast estimate of stores, elects local fund budget estimates of civil hospitals and disgonances, and

supervises civil hospital expenditure Prot class clirk -In charge of the statistical department, prepares the following statements for

the annual reports submitted to Government-

(d) Returns for the adramstration report, and and military,
(d) Returns for the 1 matter asylum,
(e) Returns for the lock hospitel,

(i) Returns for exvil dispensiones (c) Returns for Native army of Madras,

and attends to the correspondence of the statistical department

First class cleri -Reg sters straintend rotums, and is in charge of professional records, assists in the compilation of statistical returns enumerated above cal stores and other supplies ,-compiles multirry budget estimate of the medical department as checked

them soft smalles brothem rectanges to sturbur to secongula bone contragal— leels brober up in broads

by the manager librarian Second class clas / -In charge of the books connected with commissioned medical officers and medical subordinates prepares quadrement statements of service of commissioned medical officers, statements of service for the Commander in Chief of all officers proceeding on leave to Lingland, indexes general orders, and keeps the denot officeral letter book.

Reinterns clerk—Registers the denot yeccome of letters and despritches ultrasposals.

The copy ist and record I coper's duties being of nous, need not be detailed.

The following statement will furnish information as to the growth of work since the present office

establishment was fixed in 1867, without any addition since to its numbers -Letters desputched Letters received 5 720 5 298 1807 819.8

11,658 20 006 One manager and seven clerks at head quarters in Madias, none elsewhere One of the clerks by turns accompanies the Saurtary Com-missioner on tonic of inspection Their duties are at follow —

11 023

Manager is in charge of the office in the absence of the sanitury commissioner on tours of inspec tion which extend from six to eight months annually. Conducts routine correspondence, edits the monthly proceedings of the sunting commissioner prepares obstracts of sanitary reports from manner pulities local fund or designate continuous, and exercises general superintendence over the whole department general and statistical, &c

One clerk examines of correspondence and record keeper, and in charge of library

Two clerks for reg stering of lette s &c , received and desputched, and as general copyrists lour cleris employed in the tabulation and computation of all statistics relating to the general population, jails and army, received in the sanitary commissioner's office

Colonel J W R deout Controller of Muhtary Accounts Madras

Dr W H W Corash rnes

Sas tary Comm so o er for Mudrus

(a) Clerks, &c , at head quarters General department— 1 Head ass stant 2 Head clerk

3 Indexe:

4 Reemd keeper 5 Druy-leeper 6 Dequatehing club. 7, 8 & 9 Copyists Pension department-1 assistant venfyng elerk Budget department 1 assistant S elect s

The head assistant and two assistants have charge of their respective departments, prepare

(1325)

drafts, &c The head clerk examines fair copies, sees to the despatch of circulars, reminders, and other routine work of the office

The designation of the other clerks sufficiently explans the antere of their duties

9 record Leepers,

(b) There are no clerks elsewhere than at head quarters

Pay Bragauer Modras 1 assistant examiner, 1 suprimtendent, 2 1st chas clerks, 5 2nd do do 4 Srd do 12 415 77 5th do 10 computers,

and it is with difficulty that the work can be done with the above establishment, as it leaves no margin whatever for sickness or abrence during which, when occurring, work would fall in arrears were this not prevented by working extra hours

The office is specially weak in superior clerks \$ \$, the number of 1st, 2nd, and 3rd class clerks, and I may have to submit a representation on this subject ere long

The duties of the clerks may be briefly thus detealed -

The desistant examiner is a supervising officer, and assists the examiner in the control and work mg of the office and checks each bills received for pre-audit

The superintendent assists in the supervision of the office bis charge of the stationery, postage labels, permanent advance, and supernatends the assue of printed forms to regiments, butteries, &c , and the office ser, ants are under his immediate charge

The clerk in the rge of each section of mudit assested by the clerks under him, and to the pay hat, &c , and prepares the objection and disallowance statements, he drafts replies to priess referred for as, an preparse the objection and unanountation manners, we critical registed by their referred for report letters, its, and is responsible for the work of the section. The computers shock the rike of pay and calculations in the pay helts, its The inducer larges to under of all orders of Government, His Excellency the Communication in Chapt's,

and the orders of other presidencies, and is in charge of the office books

The head elerk, correspondence section, keeps a register of, and despatches, all letters, &a, and assisted by the other clerks, makes fan copies of correspondence, objection and disallowance statements, &a, which are very heavy

The head record keeps as an charge of the office records

The heaf compiling data conducts the correspondence in this ercle, and assists in and supervises the work of compilation and the preparation of schodules performed by the clerks under him I may observe these replies are of necessity very brief owing to the time allowed me to meet this

edi Exem ner of Coours samul, Cloth ing and Stud Appoints Madeus

(a) I superintendent on Rs 300 to 400 2 1st class chaks on Re 200 to 200 3 2nd ditto on Rs 100 to 150 on Rs 7C to 90 ou Rs 40 to 60 9 3rd ditto 10 4th ditto 23 oth on Rs 40 to 60 datto 15 computers on Rs 20

(6) All at head quarters, elsewhere none As regards their duties, wile this office letter No 2556 of the 21st December 1570 and with regard to the particular duties of the clothing section, side code or regulations of the military accounts department chapter VII, "clothing examiner's office

Examiner of Ordennee Accounts

Medean

(a) At head quarters-I superintendent 1 Isl class clerk 2 2nd chas clerks do 4.3ml do 8 stb Soth do 6 computers

30 total

Of these, II are auditors employed in the ordinance and regumental audit section in scritimizing the several transactions resulted in periodical accounts rendered by ordinance regumental, and station. stall officers to this office. Thurteen are engaged as accountant in the account section are as follows -

I -Prepring mouthly each and store compilation statements II -Preparing monthly het of each recoveries for despatch to account branch office

III -Preparing abstract of recounts for annual transactions, under their several account heads

IV —Reporting on annual and special indents and estimates for Europe stores

V -Reporting on tenders

VI -Preparing annual expenditure under several grunt heads of service for inspector general of ordance and magazines VII —Probabing invoices received from and checking payments made in England VIII —Preparing annual return of dead and quick stock

111 — Preparing amout nearly to term and quant above.

IX — Preparing amout firmered review of ordinance expenditure

X — Presume falls for local surplines, freight and miscellaneous changes

XI — Adjusting advinces of each authorized by inspector-general of ordinance and magazines XII -Preparing valuation statements (debit and eredit) of inter-departmental transactions, as

well as those with other Governments, &c , and

XIII - Attending to other miseelfancous statements, &c Three clarks are employed in the record department, they are required to register all paper recured into, and despatched out of, the office in their respective registers, to arrange all disposed of papers according to their subjects, and to put them in their respective bundles. They also collect

correspondence, index all Government orders, and occasionally assist account and adult sections of the office Two clerks are employed as copyrets a wo certs are unprove as copyress. The supernitement, bordes a velcime the correspondence received in the office, sees that all accounts, reports, &c., we monotely aftended to, frames reports on various questions refuned to the examiner, and passes all dualts, statements, andits and fair copied letters and documents for examiner's

approval and signature (b) Elsewhere none

Examiner of Medical Accounts There are one superintendent and 12 clerks employed in the military Madras

duties of this office —

1 Supermission — Exercises a general supervision over all the work

of the office and conducts cament correspondence 1 Srd class class -Audits and compiles all charges other than those disbursed by the commissamat department

2 4th class class - Audit and compile commission at charges of four ranges, prepare price lists, and check half yearly returns and inventories of single-d instruments

8 5th class cler/s -Of whom, three audit and compile commissairet charges of nine ranges,

three audit store isturns, and cheel invoices of European medical stores, two Leep diaries of letters three man store electrically, and governments of the control and despitable, and government and despitable, and governments and copies lettins, &c.

I computer us in charge of retails and copies lettins, &c.

In addition to the clecks emblyed for multiary recounts, there are four clocks paid by the civil department attached to the method examiner's office. They are engaged in putting and compiling

vouchers for medical stores assued to all departments other than multing, including the audit and compulation of all charges mourred in the 9 envil hospitals at the presidency town

Extmate of Medical Fund Accounts Madras

The establishment of the medical fund office consists of 1 manager or head elerk and 2 other clerks The head elerk calculates the values of contingent pensions secured

for wives and el ildien

Issues wurants on the paymenter on account of payments due by the fund. Propra es monthly statements of recoveries made by communiting officers, &c., for transmission to the accounts brauch of controller's office

Compares receipts from Madias built with the monthly statements received from the accountant-

general Forwards certained lists of recoveries made in other presidencies to the accountant general for verifiention

Examines monthly and quarterly statements of payments made by presidency paymaster

Corrects up to date the list of subsembers and small annuitants

Takes note of all promotions, retirements, casualties, furlough, &c , and arrival and departure of subscribers from Madras Has charge of current correspondence

2nd clerk -Posts all subser ptions in the subscription book, and its the accounts of subscribers Prepares statements showing pryments to be made by subscribers absent in Europe Prepares statements showing balances due by subscribers on succeeding to annuities

Notifies to subscribers payments due on promotion, marriage, births of children, &c

Adjusts over or short payments of allowances to suck officers Checks calculations made by the head clock

Prepares monthly pay abstracts

3rd cleri -1 ur comes drufts of letters and statements Desputches all letters to their respective uddresses Registers all letters, statements, &c , received in the office

Examiner of Medras Military Funds Accounts, Madras The establishment of the multary fund office consists of one head assistant or manager and 12 clerks The lead assulant has direct control over all the other clerks, he

has the entire supervision of the clerical business of the office, and conducts the current corre spondence

I dotal his charge of registers of animulaes statements of recoveries by paymenter and others, and fertion of documents by necommunity-general and the necommis branch of the controller's office I dotal has charge of I volume ledger, cheeks accounts, and usues excludents to officers proceeding to Енгоре &c

3 cleris have charge of 3 ledgers of personal accounts

I cleri has charge of general ledger, also of the day-book and ledger of the Indian family pension fund

[Appendix IV 2 clerk have charge of nominal roll, register of main ages and baptisms, registers of subscrip

tions payable and prepare returns I clerk has charge of loan ledgers 2 clerks have charge of the monthly report register and the preparation of various documents

connected therewith the copying registering, and despatching of letters I clerk performs the duties of record keeper and assests in any other work that may be required

department is 19

Il servants

Mil tary Accounts Department Account Branch Madros DepartThe strength of the establishment is given below-4 third class clerks. 1 head assistant 2 first class charles 6 fourth ditto 14 fifth 2 seemd data

6 computers The duties of the office we described in the code of regulations for the multiny accounts branch, chapter II, published in Calcutta in 1869 The total number of clerks and writers employed in the phymaster s

These are all employed at head quaters, none else

Presidency Pay Office Madras

where The pay that they receive is is follows -At much 35 memoria Marienm nerease ΑP R_{5} RsA P Rs 1 head assistant 200 0 0 250 0 10 200 0 9 800 0 10 2 1st class clerks at Rs 100 to Rs 150 3 2nd class clerie at Re "6 210 270 0 to Rs 90 160 0 4 3rd class clerks at Rs 40 Û 4 to Bs 60 4th class clerks at Rs 20 - 0 240 to Rs 40 S copyrate at Rs 20 60 0 ŔΩ Ω

76 4 Ó 78 4

There are five employed as auditors one head assistant three as accountants one cheque writer and cash Keeper, also one brancier concept writer, one day book writer with one overstaint, who also copies solutidates of chiques one assistant day book urder who also copies solutidates of chiques one assistant day book urder who also copies solutions of the office of the

Lecutement-Colonel A. Searle Superintendent Army Clothing Madras

No.	Designat on	Salary Re
1 bead a	sostant	250
1 head a	reconstant	150
1 deputy	accountant	70
1 lst ass	stant ecountrat	50
1 2nd	, ,	10
1 deputy	assistant accountant .	10
1 tabulat	or of indents	81
2 calcula	tors at Rs 35	70
£,	, 30	80
	er of indeuts	100
1 deputy	examine of indents	J 0
	vadenes elerk	85
1 duary l	resper	25
	ant Rs 25	50
1 store v		30
I diary I	reeper of supplies usued	20
1 estama		35
1 arsista	nt estimate maker	2,3

F W Jebb Brigodie General F W Adjutant General Madras

Taking Madris is the heid-quarters in this presidency the establishment consists of --

I manager, I deputy manager, 29 clerks,

4 of whom are usually deputed to accompany the officers of the department proceeding on tour with the Commander on Chief Ma oger - Has general superintendence of the office, with charge of confidential correspondence

(6) None, as explained in answer 3

and business of a general nature not appears amy to any particular branch of the other, courte one believes of a general motion for operationing as any parameter action motivity, officered thangers army regulations as be

By it y analogo: — Charactic beamers reliting to European officers generally, promotions, uppoint
ments to the staff, good sorvice persons, colonels' allocance, leves, furbugity, statements of service,

reinements, staff corps vimissions, leave certificates to accountant-general, Account up of registers connected with officers' services

Has one assistant

Learner - Examines all papers copied in the office other than returns, and is responsible that all correspondence desputched from the office is complete and correctly sent. Is also charged with bust ness connected with the medical arrangements of the ramy and conducts all correspondence relating to medical officers and subordinates

Fareness dep rimed - Entopern stuff of the Nature unny and gartisons, schools, British and Nature olothing, prisoners dischages, bounties, it enlishments, rations, bedding canteens, Chelsen pensioners good conduct med ils, a arrent and non commissioned officers of the unattached list, promo trons furlough pensioners' records and estates, home correspondence, and all matters relating to the Emopean soldier

One assistant

Record depart unt —Herd record keeper and collector of correspondence with the supply of hools of regulation, solders his uses and correspondence a lating threeto, assue of blank forms W O and others, majorition and confidential reports, refunes, charge of office formittate, &c , &c
One assistant

Refer to departs out -- Frammung and compiling all returns received from and despatched to rega ments, indirect sure your management of the property of the ments of their copy and their ments Hone founds. We would be also of their comments for entering the first of his Adultah General Indirect Communds in Claff India and to several local departments, needed as more provided in a part of the property of the mouthly in mouthly, as well as my spend, telems that may be relief for or required by the department.

Two assistants, who are contan rously employed in examining compiling, and copying Pene or deput sert—The examination and disposal of involving and pension proceedings of the Notice aimy and of Priopean soldiers the admission of the widows of officers and soldiers upon Lord Chye's Fund, and if a examination and disposal of the proceedings on claims to pension of horis of Native officers and soldners

One resistant, who prep we orthrets of all admitted elimas for truesmission to come and assists the manager in north connected with officers' remount of rights, committees keeping up register, &c.

As no list -Transacts all business connected with the quarterly Madrus army list, correcting and evamining proofs, postings of others the loging principly artifact army rate, concerning empty and loging proofs postings of others the loging principles are and finlingly progress more empty and loging control of extensivities of London greaters and genom orders of other presentations of the proposition of the

I jup uni, midelry - Conducts all correspondence relating to equipment of the British and

Native aimics, arms accontinuents rifle and must city questions

Native erroy - Promotion of Native officers and most, enlistments, discharges, claims, exchanges, transfers, embail ations, war services, and all corresponder to whative to the Native effective service One issistant, who also registers and conducts all correspondence connected with politions of

whatever nature Fakil - Has charge of all looks and pipers connected with the pay of the establishment, tele

grums seeing and contingent recounts, also charge of office statements & , &c.

grums seeing and contingent recounts, also charge of office statements & , &c.

stellals—Charge of the med is and model books state of Butish india, order of ment, and
conducts all southne correspondence bring sectomes to them and place clause, also machinese con esnondence connected with Native languages

Go weak anders - Propriation of general orders for the press, extremation of proofs, arrivals and

departues confirmation orders &c &c

One assistant for the computation of undices to general orders, who also registers papers passing to and from head qu sters office when on tom

Proceedings of Government - Has charge of all proceedings of Government, with Leaning up of dany, index, &c , also posts up Government and general letter index.

Diary keepe -Registers all letters received and distributes there

-Registers ill letters received and distributes them to the different clorks for dis posal, mail ing off action token, and lainging to managers notice ony un inswered references &c Current departuent -One clerk in charge of current records and collected papers, inspection

.eport≈, &c Four copyrists for general work, who also keep up current indices, Government and general memoranda books

Mayor Jol a D ring Offersting Quarter Waster General Madris

There are at head parties I ranager and uncovenanted assistant, 16 cleals, 1 conductor of the unattached list, 1 head draftsman, 2

distitsmen and 3 moel ies. Their duties are-Manager and ar covenanted assistant-disposes of all papers marked to him by the quateimister general, distributes papers for disposal by

the office cleal s, and superintends the management of the nor chal I and deputs manager-in charge of the register of tent lascars, prepares allotments of comp e junger &c , to regiments issues grants of had , custodian of office stationery and postage

st mps drits correspondence on the above subjects

olenk 2—buttang passage, and book balls, out hare of Nature troops, and registers of them deal 3—is used bull and contingent charges me, used by troops, let references, and dochets letters, fur copies letters to Government.

that 1-mainties for cump equipage, seek curn go, eathle and bearers, cheeks returns of the same, indents for the noners from out-station offices of the department, dualts correspondence on the above

subjects tone virty accounts and advantage of the subjects tone virty accounts of the subjects tone virty accounts of the subjects and

15 clerks

J

72

18

19

(1329)

elest. 7-compiles of monthly distribution seturns of the army; segister of movements, oustodian of monthly returns of regiments

clerk 8-indexer of orders of Government and of general correspondence despatched from the office

clerk 9-mepares notification of movements of corps and detachments

clerk 10-assistant record freepen and referencer clerk 11-in charge of the drary of letters received

cleri. 12—desputcher cleri. 13—copyest generally

eleik 14⊷ do clerk 15-reader and copyrst

clerk 16-copyrat

The conductor, commer-corrects regulation books in the office, charge of registers of bringle and shipping suggests and rest-bouse superintendents, checks bills for larged quarters and indents for gymnistic uticles

Head draftsman and two draftsmen—prepare disposition maps of the army, topographical maps of cantonments &c., Leep the route book corrected

Three mosclaes-prepare office covers and attend on others of the department, mount plans, assist despritcher in ucuding and alliang postage stamps to letters No clorks of this department are employed elsewhere

Colo el C P N Sterri, J igo Ad conto General Madras (a) At head quarter-

One uncovenanted assistant, whose duties are to aid the judge advocate general in the airraigemeet and certody of her records in dividing all correspondence, drages, reports, for, &c., in the examination of all proceedings of general, eist of, or gameno courts, summaries of ordiners or projections for courts metric), and all other matters and pures submitted to the pudge advocate general for examen are submitted by the judge advocate general for examen are submitted by the judge advocate-general to the Commanda in Chaffer

orders or information, with general superintendence of the office One head clerk-indexer, examiner of fur correspondence, and copyrit

One clerk-copyrst (b) One clerk at Madras in charge of office, records and stationery, i.e., had references, also a copyiel when the head quarters are at Madris

Locate unt Colo et M W Wille gi by, Countriesary Gereral The information required is given in reply to question 4 (b), papea I under the head commissury general e office

At head quarters

Bombny Major General W S Hatch Is quester Ceneral of Ord runce and Magazines Berthay

Gun carringe factory Gunpowder fretory Small mm ammunition fictory Bombny arsenal

Poons amenil (to be reduced to depôt, 1st October 1879)
Aden 4 Mhoy 5, Kuttaches 5, Noemuch 3,
Alunedab d 1 Belgaum 1

(a) Heal quarters

1 head clock, supervises 2 in account branch, compile budget estimate, examine purchase lists, contracts records of store l'accus keep pay and stationery accounts, conversions, and camp equipage 3 in indept branch, excurre indents, committee proceedings, packing accounts, discrepancy

has, wurrents, transfers of stores, returns of stock taking 1 p cpares munul estimate and indent on Lugland, quarterly returns English packing accounts,

records of warrant officers and non commissioned officers, miscellaneous returns 2 m record branch, prepute previous pipers and references on correspondence, compile records, post register, orrange compilations

I despriching clerk and keeps postage accounts

1 registers correspondence, posts up disposal of subjects, assasts to examine copies of documents, annual returns of stationery 4 copying clerks

15 total clarks

(i) Placinhere GEN CARRIAGE FACTORS

1 head clerk, supervises 2 accountants, value ledgers, comples statements, &c 2 register 1 ibor and material 1 ledger and calculations of timber

1 muster Leeper

2 general clerks, keep ledger, meluding that of Poons Lia ich

I pay clerl cash recount, requitance rolls, &c I posts duly wanant book, males up monthly lists

I correspondence, register and files

12 total

GUETOWDER FACTORY

1 upervisès, propues psy, end accounts acquirince rolls, estamates, indents 1 reforms, conversions, veluntaous, returns of machinery, correspondence 2 copi letters, returns, ledgers, prepue muster rolls, general correspondence clarks

(1330) Armendix IV 7

SHALK-ARM ARMERITHON PACTORY

1 head clerk, supervises prepries unual recounts, vilues conversions, material, &c I financial and pay business I copying, and keeps correspondence

1 quick and dead stock ledgers, quarterly returns, &c

1 monthly conveniend book, &c. 1 monthly convenients, reports of men on drily pay, &c. 1 keeps the time, and checks labor convenients, reports of men on drily pay, &c.

7 total.

BOMBAY ARSEAL

1 head clerk, supervises 2 local supplies stores from England, preprie budget 2 pay and cash accounts, acquittance rolls, &c

6 store account branch

2 office work connected with establishments, comp equipment, &c

2 charge of office ledgers I transport of stores, preking accounts, &c

2 charge of records and correspondence branch

fetot 81

I head clerk I regusters undents, packing accounts, usue orders, orders to contractors, &c

1 posts quiel and dead stock ledger

1 pay and cash accounts all office work concerning establishment

2 monthly store and other returns musters, morning reports 2 make out minor returns, copy letters, statements &c

8 total

OTHER ARSENALS

POORA ARSENAL

The work of clerks in the other arsenals is much the same as that at Poena, and is distributed in much the same way

Dopolty Susgeon General T M S Fogo Offications Surgeon General By tash Forces Bombay

There are eight clerks or writers all at head quarters One of them accommonies the surgeon general to Poona

The head clerk -Superintends the work of the clerks in general, compares the correspondence examines the stationery and postage accounts, pay abstracts and bills, drafts memoranda, ordinary letters and circulars as ordered properts absolute, just interest and first, and the controller, compiles the addenda to the medical code, prepares notifica-tions and orders concerted with the inversement and appending the defined subordinates 2nd John —Excuraines and compiles all the annual saturaty and neglical issums and other

statuted returns the may be required that stated returns and the required that the companies of the state of

943 6006 — Registers instant and reports
to correspondent branch, copies telefast and reports
bits clerk — Despatches all papers keeps the inventory of the records, stores, &c., prepares
the monthly and annual returns of medical officies, pay abstracts and bills, keeps the postage and stationery accounts, copies lefters, reports and orders

Old cloth - Compiles the general weekly returns of such, and monthly returns for the commander in-chief, weekly returns of cholers, and quarterly sanitary report for the director general,

Title deal.—Keeps the inward and ontward registers of the correspondence in the statistical

branch, copies letters memorands, returns, and reports of the statistical branch

Sth tierh -Compiles the several minor returns, such as vaccination, veneral &c , copies statis

teal returns, and keeps the records of the statistical branch. As the military head grarters are it Pooms for most of the months of the year, I consider the efficiency of my office would be moressed if the permanent establishment were removed from Bombay to Poons

Accommodation is precurable on the finance building, for which no zent would be charged The presidency house rent of Rs 75 per mensem of my scarctary would thereby be saved

Dr W G Houter Surgeon General Indian Medical Department Bombry

1 chief cleak 1 budget elenk 2 copyests 1 despatcher 1 statistical cleil I assistant for military

2 resistants for an 1 1 standing medical committee elect

The office never moves from head quarters

There are none elsewhere Like the none elementary and management of office, keeps general register of officers and a chief element — Correspondence and management of officers and all departmental charges, propries annual statement of subordance models department for containing an initiary recommiss, loops a register statement of subordance models department for containing an initiary recommiss, loops a register of all charges

Regulary of esteard letters —Supervises work of budget, statistical, and stunding medical com-nuities bruncher, &c., &c Budget clerk —Compiles budget, multary, curl, and manne

Regulars of unual letters, general record-league, and computer of convengenciese, general referee —
Presers statement of unanswered references from and to Government in the military department every quarter, prepares quarterly statements of morease and decrease in this department for the

every quarter, proposed quarterly assumes to measure one commerce as une conjugate and constitution for constitution and confide dispensary recognists, for the statistical officer, who is the Statistical officer —breagance all statements, multivary and every for the statistical officer, who is the secretary, in order to enable hum to summerce and compile the administration reports of this

department, &c , &c

2 convists - For correspondence

1 despatcher

1 standard suchest committee dat — Propores all cases appearing before the board, furnishes such information as the committee may call for, and prepares the record of service of method officers proceeding on furlough to Europe for submission to the Excellency the Commender-in-Chief

The head quarters or central office is in the secretariat at Bombay Dr John Lunndame Sandary Countingsoner for Bombay The following clerks and writers are there, and their duties are briefly given -

I assistant in general charge of the office, and responsible for its good order

I head clerk in charge of vaccination branch, abstracts applications for leave and transfer and promotions in district establishments

2 cierks for inward and outward registers and seconds, sain and sub-soil water level returns

2 clerks for monthly registers of buths and deaths

2 clerks for cholera returns

I clerk for vaccination returns

2 clerks for copying

A total of one assistant and 10 clerks, of whom one, or two, or more recompring the sanitary commissioner on tour. Each of the five deputy cautary commissioners has three clerks, and the superintendent of vaccination in Western Guzerat has two

They have charge of the English and vernacular correspondence, and compile the talukwar returns received from mamfatelers

Clorks at head quarters Clerks in districts

Statement B shows the inward and outside numbers for the central office, and gives an idea as to the work to be done. Stricement C shows the monthly cost to Government of the entire samitary department, but the charges are all disbursed in the civil department.

Statement Belowing for usus years the annual sumber of innard and outward records and irones in the head-

91	di misore phise A	i the var	etary our sate	seconce for en	c Govern	Mone of 130	10000
Year				-		Inward No	Outward No
1870	101	***		***		1.013	941
1871		***				1,929	2,158
1872		••	***			8,501	2,494
1873				•		6,323	2,801
1874		***	•••			6,041	2,817
1875		**				6 460	2,082
1876	***	•••		.,	·	5,950	8,033
1877		**		**	•	7,787	2,908
1878		***	***		***	6,151	8,055
7.5	•						-
Menns		***	4++	***		5,173	2,524

Elstement Cenowing detailed monthly cost to Government of the Sanctary Depart new of the Bombay in evidency

-		-	200	-	-	-	_		FEE:			2	-	Table 100	-	-	-	-	morroni-	
Muiriet	Cı	s fory dat s seer	80	county rollary man o source	of l	reson drain facus i on	An	aljri.		ledia	Yan	pest-	Su le	istant ser a I sta atolo		nksyk ser		Nota Nota	Overnoce O proce fure	
	Nomber	Pay	\umper	rat.	Variaber	Fitte	Number	Pay	Anmber !	Pay	Wumber	Pag	Neother	207	\umpar	Poy	Number	Par	Trevellete all o ly drawn notual expend	Total
The Presidency I Roch Decem I South I Hookun 4 East Gusepat 5 Treat 6 Said 7 Bombay City	1	Pag 2 5000	111111	28# 1 000 8.00 1 000 840 840	1 1	71 199 360	1	3ts 200	11233323	Es 4 050 0 115 0 115 0 115 0 115 0 18 8 115 0	12565	705 4-6 220 515 530	2	Ra 1.5	2	Tis A	9 11 8 9 8	To A *0 0 % % % % % % % % % % % % % % % % %	Bu 300	Pr. A 9 254 0 1 905 8 1 500 8 1 657 8 1 699 8 1 307 8 1 800 0
Total	1	2 000		4,800	F	1,370	1	200	28	1,311 8	N	2,436	2	12/2	2	23.8	83	584 B	500	17700 0

Austrace ex reference of Taco and in-123 Total

Legatement Colonel Young Offic aing Controller of Mintary Accounts, Bombay (Con troller a Office)

The following is the establishment of clerks and writers of the office, with their duties, there is no establishment employed elsewhere -

No.	Deservation

Dufaes.

410	2000	
1	Head Assistant	Disposes of all references from Government and other departments connected with pay and pensions, furlough, hutter money, supervises the preparation

- of grant 3, "regimental charges," of military budget Disposes of all references from Government and other departments connected 2 1st class clerk with commissariat ordinace, medical clothing and barrack questions, trivelhing charges, passages, &c., supermess the preprintion of the military bad-got, crosty grant 3, and explains differences between the estimated and actual expenditure
- 3 2nd " ... Assists in disposing of correspondence connected with the foregoing, prepares registers of penetons granted, examines letters and reports to Government, and has the custody and supervision of expenditure of postage stamps and
- the contingent money account ... Pamerpal budget clerk, and prepares statements and returns connected with 2nd ,,
- estimates and expenditure keeps in index to Government resolutions Examines outward correspondence, excepting letters to Government, Leeps the registers of inward correspondence, distributes and supervises the copy-3rd
- 100 work Assistant budget cleal and prepares estamate, grant 3, prepares the office pay abstracts, and keeps registers of the leave of absence of the clerks 4th
- Principal copyist of Government reports and letters, and keeps an index of 4th them, prepares quarterly returns of unmassered references to and from
- Government Second copyret of Government reports and letters, marks off the replies from Government on references, prepares the weelly summary of unanswered Government references, and despatches all Government reports and letters 8 4th
- 5th .. Despatches all other outward let ers files all letters received and sent , keeps the postage account, and marks replies, &c on the general inward register
- In charge of general record room of the department, and supplies printed 10 5th forms to troops, departments, &c , entitled to the same, and keeps an account of their receipt and issue
- Il Copysst Copyrat, and notes on outward letters the renlies received to them
- Ditto Record keeper and assists in copying 12
- 13 Ditto Copyist, notes on outward letters the tophes received to them 14 Ditto . Copyrst

14

No 3080 dated Poons, the 20th August 1879

From-Lieutenaat Colovia D B loung, Offg Controller of Military Accounts, Bombay, To-The Secretary, Army Organization Commission, Simba

In foreurding the replies (in two separate packets) called for in you letter. No 255, dated the 1st have the honer to remark that economy in close links, without I think, loss of difficuspy, would be greated at all changes insured and you in one presidency on account of the rany of another week halfselds of the longification and you in one presidency on account of the rany of another week halfselds and the longification and we have considered the sector purpoper presidency.

unusteen the integration are in the recounts of the actual paying presidency.

2. The other largeadatine for the army of India under any particular head would thus still be ascertamable but if it be decided that it is necessary to know exactly the expense of the many of any presidency, then thus in ght he provided for by a separate allotment, being made to each presidency.

for the payments made by it on account of another I consider that the offices of the ordnance examiner of Madras and Bombay, as also of the of a consister that are curves of the consumer examine of Abdriss this normaly as also we need of examine of these preschouses, might be analyzmated. Say, for instance, the methal recounts of Bombay might be sudded in Marirs, and the ordernee seponate of that preschency be added in Your and the further seconds of the Bombay preschousy maps be put under the officer in charge of the recounts I runch of the controllers office of this preschency. By it is proadure the proper the commission of officers would be saved to India, and I certainly am of opinion that the united offices would not overburden the holders

are θ = To reve delay and multiplication of the replace to your questions, I have drawn up answers are θ = To rever delay the three pensons pay effices of this prendency in any own effice. The expanding on weapond of stationary in these of reas, as well as on account of 6th perceduary pay office, and he been left birdly pensings recept of the information from the stationary office at Bombry, with be minimated to you should.

Major W Per east Examiner Pay Department, Bomboy

- (a) At herd quarters— I supernatendent
 - 3 first class clerks
 - 4 second data 4 thard data
 - 6 fourth date
 - 10 copyists or computers
 - 38 m all
 - (6) Eksewhere none

The office is sali divided into branches -

- I—The Native troops britted under the supervision of the nesestant examiner has one assistant under, seven examiners and calculations to audit and compile accounts and dispose of all reports references, and correspondence counciled with the payment of the Native army and follower.
- II —The British troops launch, for the model and computation of accounts, this disposal of all reports, references and correspondence of the British army and its followers there is one working one assistant adultar time examinent and calculations
- III —The presidency prymatter's debursement referred obstacts, and contingent bill brunches. The complation and the pensent and prus brunches under the supervision of the separational continuation and continues and calculators for the audit and completion of the presidency prym size s accounts and the accounts of the three pensence primaters, and the deposal of all reports, references, and correspondence connected with these brunches.

IV -Two general copyists one indexer and one record Leeper

Lucat. Calenal B E Young Officesting Controller of Mil tary Accounts Bombay (Pens on Pay Master's Office)

Presidency Circle Re 1 clerk 1 60 10 ī 40 90 80 , Poona Circle 1 cleak 720 76 27 î 60 23 50 ,, 2 35 1 80 22 Sorther t Konkan Circle clerk EO 35 , 25 11 1 15 10

Their duties are to pay pensions, prepare the necessary accounts, estimates, and returns and to carry on the correspondence connected therewith

2

There are no clerks can loyed elsewhere than at head quarters

Major M. A. Rowlandson Exmeter of Comm starnet, Clott ing and Burrack Accounts Bombay

There are, including the head assistant, 46 perminent clarks in this effice, and 3 temperary extra clerks for auditing the accounts connected with the Afghan expedition

Of this number there are

- 8 auditors
- 25 assistant vaditors
- ₫ calculators
- 4 copyrate
- 2 registrars
- a register
- 2 record keepers

The duties of the former consist in auditing the accounts of their ranges, and disposing of the reterences made concerning the same

Assistant valitors a comployed in assisting the auditors in the extraoration of their accounts and coloritor statements.

Calculators are employed in testing the uniformetical accounts of all charges included in bills.

and vouchers attached to accounts for Copysis are complesed in fair-copying all letters and statements

The registrans register all letters, hills, &c., received in office, and number and despatch all fan

Record Leepers file all papers and disbursement vouchers, accounts, &c

Leviseaut W R L Addrson

The following is a detail of the clocks and writers in this office, with
the following is a detail of the clocks and writers in this office, with
the following is a detail of the clocks and writers in this office, with
the following is a detail of the clocks and writers in this office, with

4m24 m	· · · · · · · · · · · · · · · · · · ·					
Nos.	Clerks and writers	RATES OF PAY PER MEASON Mini Main mini mini		Dalus		
Res.	Clerks and Willers			Dina.		
	General Branch.	Rs	Rs			
1	Supermiendent .	400	500	General duties and supervision under examiner		
1	5th class clerk .	40	60	Care of records Regustration of documents received and despatched, and		
3	Ditto Copyists or computers Andit Branck	40 30	30 {	preparation of comes of audit statements, accounts, and correspondence		
1 2 2 6 2	let class clerk Brd class oterks 4th drive 5th drive Copyrate or computers	250 90 60 40 50	350 128 90 60 30	Askit of undents of ordnames and unitary stores and equipments and to C store returns from averalla, and factories, from corps and army officers, and from barried misters. Askit of reports from averalls, depôte, and factories, of expenditure of authorities and labor on manufactures, repurs, &c. Note—Thus portion of the outh branch as drivided into the sections excit of which is responsible for a particular portion of the outh the lat class derk bang quiredly in dering of the lats extons, and exace using general supervision over the other sections. Too of the substitutes of lates are assumented as which moves and sometimes in another section, or in the general branch employed in copying, according to the piessure of work. The scrutiny of, und report on, tenders for suppless of		
1	2nd class cleri. Account Branch	150	200	stores to remembe depois, our factories of stores to remembe depois, our factories of the match of claims for contracts. The match of claims for extra artiflates, &c., our played by arcental, depoist and factories. The andst of claims for extra artiflates, &c., our played by arcental, depoist and factories. The solds of claims for repairs effected to stores in with the army, she to purches made from annual great to suppose and miners for field printing. After This clerk also disposes of neconits of transactions with the fields troop survives and of matching lots issued to troops from England, and his charge of the office extensory, and the differ contingent allowance and previous from the contingent contingent and the office contingent claims are considered and previous and contingent contingent and previous and previous and contingent claims.		
1	4th class elerk	60	90	Preparation of bills for hire of tents and stores drawn on payments, lost, &c, and watching their		
1	4th dutto	60	90	due adjustment Prepriation of bills and valuation with accounts		
1 1 4 5 1	5th ditto 4th ditto 5th cirss clerks Copyrats or computers Copyrats or computer	40 60 40	60 { 50 } 50 }	which concern other departments and Covernments for completion of estantiate of, and indents fan, onlivings and multiny stores and enumerate required from England by the inspector general of orderines and magneties generally for the disposal of paiding accounts, invoices and survey and other respects in connection with stores such out from England. The proposition of materials for reports, review state ments, and general returns		
	Copyrist or computer	30	80	Assets in the work done by the eight clerks immediately preceding and in the preparation of bills for line of tents, &c		
32	Total	2,070	2,790			

Surgeon Major P S Turnbull D Even per of Medical Ac-

The number of clerks is 15, and their duties are as follow -

M D counts Bombay

Superintendent

Combusts correspondence, frames reports, tests recursey of ill recounts and andit memorunda, and exercises general supervision over the estab-

and class clark

historical, under the momediate orders of the examiner Prepares monthly accounts of accepts and resuct of medical stores from and Progress monthly accounted recognit and seasors of motheri store from and to deringes pertunsing to card, nature, and public works departments of Governments of India, Mental and make work departments of Governments of India, Bengel, Jirdare, Central Peranes, and Hydra about Accepted Districts, the quartely secount of He Myesty's Colonia Governments, Colon, Maruthus, and New Zerland, Governments of Course of Good Hope and Clens, Impecal Government, London, and Indian troop servae also balls on devegable seaso, sheet's vinual inturn of sug orl equipments of card, marme, and public worls depart-ments, also transfer accounts on officers quitting Indr. on leave, and

4th

conducts correspondence connected therewith . Compiles medical stone recounts, and prepares statement for annual review, prepares data for and checks the annual bome indent and estimate, prepares rate list of stores, examines faciling accounts of stores received from Lingland, and prepares short and damaged delivery reports thereof, exammes tenders and contingent bills for stones purchased locally and cannot concers mue concupent ones ver source prioritive certify that invanidational by precuracil, propriest sciences is of animal cool of stores supplied to evil charges for transmission to the digit's surgeous-general for financial report, and statements of transpar cost of three years supplies to a trailbule dispensions, kee, for banget, estimates, has supervision of the priving of touchers and native of the medical digitile and the contraction of the contract of medical digital contractions. supervision of the pulling of contents that medicals for hepf in chinge of felium, examines the accounts of medicane cliests, &c, kepf in chinge of the depict, surgeon general, Bengal medical service, Bombrs, for troop ing season, relifies stitements of pryments made in Ingland on recount of medical stores, conducts correspondence connected with the above

4th ,,

And its indents for hospital supplies, et , burn medicines, hospital mores-sames, stationary, articles of diets, and extras, supervises the nork of the commission supply rection, and conducts consequence connected thereasth Andits returns of surgical equipment of Puropean and Native hospitals and refer try existing ments, also traveler recounts on officers quiting

ñth

Indra on leave, and conducts correspondence connected with his depirt-ment, keeps there of kitters received Keeps ledget of receipts and resuce of medical stores and classifies medical stores supplied to and received from charges into Duropo and India, for compilation of general stone account, keeps an index of medical officers proceeding on leave in and out of India also of these returns on peneron issues 13 of establishment, and assets the fourth class clerk in preparing statements for review and data for home indept and esta-

őth 11

mate, &e Assists in the undit of the bospilal diet rolls, and checks stimulants assist on indenis for diets recording to sente of I oropean troops, and examines wine expenditure, returns of Nativo troops progress monthly and anmulti statements of stimulants assued to E nopen and Nature troops, compiles among statement of the cost of ducting European sick, keeps sixtionery and contingent accounts, and conducts correspondence connected with the above

5th "

. Audits medical d pot return melading that of cutter's branch, examines annual stock taking of the medical deput, also the annual dead stock

5th

return, and conducts correspondence commeted therea the Verify the pricing of indents of stores is such from and inturned to the medical store depost, iso the home indent and figures required for e-ti-made, at tements of live kages part hats of medical store expenditing, stock recounts, schedule of differences found on verification of the stock

6th 6th

of the dejut, statements for runnel review, percent ges of difference between the rates fundered and invoice rates, also pricing rate list Price the above statements indents &c. Accests the third class clerk in an liting returns of surgical equipment, and has the care of the necord of the medical store section, also assists the copyest when time admits, keeps register of indents of stores issued from and returned to the depth and files there, registers annual returns

6th "

Rth

of surgeral equipment of military and eval charges And its annual dead slock returns of Native hospitals, and conducts corres ondence in connection therewish, has one of the record of the commissan at emply excessor, a cluding reachers greated orders, Government Gazettee, do , assists the 5th class clerk in preparing statements of the expenditure of stundants, &c , prepares mentally pay abstract of estab-

6th "

lishment, Is copyest also registers and despatches letters and keeps the service postage label account.

At head-quarters-

Locat Colonel D B Young, Officerting Controller of Viritary Accounts, Bombry (Accounts Branch)

I head assistant

1 first class cler! 2 second chas clerks

3 third class clerks f fourth class clerks

12 fifth class elerks 14 unclassified

39 total Elsenhere none

The establishment is divided into three divisions, with one first class and two second class clerks as senior clerks, under the supervision of the head assistant, their duties are to examine all the cash accounts, accounts current, remittance rolls and other returns received in the office, to compile the corresponding returns and statements furnished from the office, and dispose of all references connected therewith

Capiam H. Comper, Preu The second Prymaster Bombay

J head clerl supervising the office The number of cleaks in the office is \$8, including the head clerk

3 clerks, superintending the several branches of the office.

cursas, sequenticizante servicia in superio qui seu outro.
 de clais extraming ray hate, abstracts, and bills, fice of cursas proposed as decis, preparing abstracts and making payments and last-pay orthibusies of officers proceeding to and returning from Europe

1 clerk proparing an account of other psyments to officers at Bombay 1 clerk preparing cash receipts and banking transactions

4 clerks making cheques, transfer receipts, and their advices, on account of the several branches 2 clerks posting and balancing duly payments, also making payments of advances to artitlery 1 clerk making payments of all remaitances to Bombay

I dute making pyremeters at the content of the cont

fund and house rent returns

1 clock for preparing retrenobment, advance, and deposit accounts l clerk for examining Durope remittances, leceving, legistering, and distributing daily post 4 clerks for copying, registering, and despatching daily letters, &c

Colonel J Tincher Superna-tendent Arms Clothing, Bembay

As follows -(1) In office and store bravel.

Head clerk on Rs 175-General supervision of the office, Leeps dady cash book, prepares cash accounts, verifies all important documents before they pass out of the office

One clerk on Rs 150-Checks factory requisitions with the proportion tables, is responsible for the correctness of the personal leager, the entries in which be daily vertiles, replies to audits, propores the budget estimate, examines the annual returns of great-coats and cloaks tendered by corps and batteries, and cheeks demands for those gaments examines, and is responsible for the correctness of, the annual undents an the home authoratics

One clerk on Rs 95-

Propues the monthly and annual store returns, makes out bills for regimental necessaries and clothing supplied on payment, prepries sundry statements required by the Government of Iudin, and assists in preparing budget estimates

One clerk on Rs 83-

The terror is no co
Textumes all divinus for clothing and its responsible that the indeeds on this department are
content and in recommance with the regulations before they are passed, prepares from the
indexts lists of the generalis assumed to be improved by the leastly, Joseph a regular
aboving the clothing supplied, and for what period to eith capt to better, and to each
individual whose claims we made on separatis indeat. This calculy duties fully occupy the time of two men, and he is therefore assisted by a clerk on Rs 68 as hereafter shoun.

One clerk on Rs 83-

Keeps the store receipt and issue day books in which are entered all store transactions, and on which the ledger entries are based, assets in preparing the annual indents on the home authorities, keeps register of sizes of books received and issued, calculates and enters in the detailed statement of materials to be supplied by the store branch the various articles assuable to make up clothing demanded on indents, checks the assues of materials from the retail store One clerl on Rs 58-

Assistant to the examiner of clothing claims on Rs 83 sade remark opposite that clerk One clerk on Rs 58-

Converts into Indrin currency the English invoice charges for stores cent out adding percentage for freght and preking, calculates the cost per yird, gross, &c, and retords the result in the "rate book,", verifies il delahatons made in bills, &c, prepared in the office, and in the strements on which are based the assumal indents. One clerk on Rs 50-

Has charge of, and posts up, the retail and personal ledgers One clerl on Rs 16—

Keep whole brile ledger, and the recount of stores asset from the whole brile godown, books from the taxon s all elothing stores and regimental necessaries received from linguistic. as ists in receiving and weighing consignments received from Lugland, and in comparing then with the picking secounts.

(1937)

Assets the clerk on Rs 95 m preparing the monthly and nanual store returns and bills for One clerk on Rs 41regimental necessaries and clothing supplied on payment the duties fully occupy the time of two men

One clerk on Rs 41-

Head copyrate comes compares, and desquiches correspondence One clerk on Rs. 36-

Prepares pay abstracts, pays office store, and fuctory establishments, assist the head clork in preparing outh secounts, registers inward letters

One clerk on Ra SG-

Copies correspondence, bills, records, returns, &c One clerk on Rs 20— Copies correspondence, bills, receipts, returns, &c

One clerk on Bs 20ac oters on an ar-Keeps records and assists in copying (2) In factory

One clock on Rs 75-

Pays the workmen issues gaments to, and receives them from, the tailors, and keeps account of the work done by each man

One clerk on Rs 30-

Assists in prepring my electe, and I caps daily attendance book. Bendes the clerks enumerated above, the following are the employes in the store branch and factory

(i) Store branch

Store lesper on Rs 100, exclusive of pay of rank as conductor, in all Rs 200— Receives and surveys stores under the superintendent's orders, has charge of all stores and necessaries recurved into the department and issues them to the feelery or pocker as required, on recursions passed in the office, verificatio drily entries in the day books and ratini and whole-bid lodgers superuses the preparation of annual indicate on the Homo Government for clothing materials outpresses and appointments arranges for the provi-sion of helmois for troops arrange from Lagland, excused several supervision over the reserving and practing formshare, drafts correspondence connected with the store branch

Recoving inspector on Rs 60-Receives made up garments from the factory, and beeps a register of such receipts, compares size tickets on the garments with the size rolls received from corps, lays out garments for inspection by the surreying officer, makes them over to the packer, whose receipt he obtams

Head packer on Rs 46

Supernitude the packing and despatch of all made up cloth uz, mater als, boots, and neces-sures company the quantities with the prelage hals and statements prepared in the office, programs invoces intimates to the commissional department when prelames are ready for despatch, sends reviews of despatch to corps and batter es, &c , I cops registers of all clothing, &c , neered and despatched, and of all hale wrappers, empty cases, &c , used in packing

Inspector on Re 30-

Receives and conveys prelagge of clothing, bools, &c., to the commissionat depretages, and to come and brittenes in Bombry, receives believes as they curve from Meenit, and stores them in the believe godown is responsible for their condition while in store, on the arrival of each troopship, goes on beard with sufficient helmets of each size to fit the troops,

Assistant packer on Re 25-

Assists the packer generally, and in the preparation of invoices, letters of advices, &c

Maistrie on Rs 15 and compensation for deminers of grain-

Assists storekeeper in issuing materials to the factory &c , from the retail store (n) Factory

Master tailor on Rs 364-Supermitends the work of the factory, and I cops muchines in working order. The minimum is Rs 316 maximum Rs 400, annual mercase Rs 18

Assistant master tailor on Rs 120-Superintends the citting branch

One head ma stree on Rs 58-

In charge of the factor, store, and accounts for recents and assues, frames requisitions for materials required from the store branch

Examiner of clothing (sorgered royal ritalicity) on Re 20 exclusive of his regimental pay-Superintends the examination of all clothing made up by the workmen before it is passed, is assisted by-

1 resistant on Rs 41, 1 ditto , 15,

and grain compensation Section superintendent on Bs 45-Superintends the machine workshop

Section superintendent on Rs 45-Supermicads the tailor a workshop Ironer on Re 20-

Superintends the noting Trunmet on Rs 17-

Serves out sill, thread, hooks and eyes, &c , sufficient for each garment, according to tables of

Two cuttors on Rs 12 each and compensation for degraess of grain;

Two ditto on Ra 11 erch Three dates on Re 16 cach

ditto, ditto,

employed in cutting out

7 writers

garments Furnace-man on Rs 10-

In charge of nons, keeps up the fires, as responsible for putting them out when the work is

The above shows the fixed establishments Machine drivers, basters, and extra cutters are employed as required. The bandwork is done on

the premises by piece workers Brigidier Ceneral H F Brooks, Adjutant-General, Houstay

17 clerks At head quarters Elsewl ere

Their respective duties are-1 Chief Clerk -General superintendence of the office, and has charge under the adjutant-general of "A" branch correspondence (vide

reply to query 1)
5 Head Clerks -- Have change of branches under their respective branch officers (side reply to query 1}
11 Clerks — Assistants to head clerks in the general duties of their respective branches

7 Writers - Employed as cop asts and distributed amongst the branches,

All the office establishment is at head-quarters, at consists of 17 clerks and three duftsmen. The duties are as follows — Bright or General G Barrows Quarter Master General Bembay

Cheef clerk, in charge of the working of the office generally, opens all official covers except such as may be marked "confidential," and has the custody of confidential papers

Accommodation, public works, for tifications

The correspondence and work of the office is divided into brunches as follows -Subjects dealt with Clerks

One penter } Tuo senier ! One jumer j One senior } One senior) One juntor)

Currege, field operations, movements, passage, transport, Budgets, conservincy, cantonments, departmental, cantation, water supply (All subjects pertaining to burnel department supplies, also examines all documents before they leave the office Maps, plans of evatonments and military buildings, sur

Three draftsmen One pressman + One proper " One unnor, pay cler!

All subjects connected with the corps of guides Registing, and in charge of the record rooms Ditto, Commander in Cinet's schedules, and cornets control regulation books. These men are also available for any work in branches, and have copying to do

* One junior, returns Pirret d tto, copyrets

Three Naine clerks at head quarters None elsewhere The deputy

C'lonei C O Marile, Judge-Adrec to Ge ural, Leous judge idscertes lave prisate elerks The bend clerk results the judge advocate general in matters relating to courts martial, &c., the second clark conducts his duties under the orders of the head clerk, and

together with the third clerk enters reports letters, &e , in the office books, and propares all monthly and half yearly returns, and all process connected with the office

Mortors ide to the reference to questions gut by the Imperial Government for report submitted with de-frence for the countileration of the Commissions by Major General C. L. Showens, Bengal Staff Corps, as I lite Political Resident in Royput ina and Gualion ,-dated 4th August 1870

1 What must not from British and hatre a st unce only to must be and lade my classe for the must be unce of tions multiplied of the country and perfer account recessing partition duties only to ta i perferm

2. When the like the dambed and that for a list perget of a listeness to the rate layer report of a listeness to the rate layer report of listeness to the rate layer report of the list of layer report of the list of layer report of the list of layer report of the list of layer report of the list of layer report of listeness of layer report of layer 2 What sho li be the distribution of that

1 This point will doubtless be maturely considered and correctly determined by the commission, assisted as it will be by the satisfies at band and the special nowledge of the be quarter-master-general, and the who are mumlers of the same

? The only remark that I shall venture to offer under that had her reference to the training of the loot police, as beaung on the question of the military garrien required On no recount and I allow them to be equipped with fire-arms. It is not the policeman's weapon in itself that strikes terror, but mesamel as it is the symbol of authority, and for this purp so the constable's staff as as effective as a for this purp energodes which is a care of a general former, the generation of order, the generation of order, the generation of order, the generation of the matter, the police of the Javadanese ingride in the matter, the police of the Javadanese ingride in the matter, the police of the Javadanese in the second of the Javadanese in th Accounted defined to a more pointed the mutineers. After the recovers of the station and restoration of order through the

4 First, (a), by remadelling the Native army so as to

(1339)

Nature levies of the Odeypore State, the superintendent rused a fresh body of police On a second Networkeys of the Oneppore Scale, the supermoment ruses a frest near of paids of the New Yorks are not the Country under the Bella Proce Fence Shah, the new yorks again wave of ratellous surgary are the country under the Bella Proce Fence Shah, the new yorks again was a feet of the new yorks and the strong band of robbers has to be dealt with, call out a detectment of to a man present sections. An assume the middle Bate large body of armed police diffused throughout India, without unbitary organization or decipline and subject to smuster local influences, 18, 1 thank, an element of danger to be guarded agrunst in the contragency of our power ever being sensously threatened from any quarter. 3 See remark to No 1

9 What should be the full was establish ment of the Indian army, calculated under the

ment of the Irolan army, calculated
two heads of—
(a) the number of troops that Irolan englit
to be able to place and manufam in
the field for nerves whereve required
(b) the garrisons and reserves to be main
tained in Irola ?

! By what means short of permunality maintaining the army on a war feeding can the difference between I and 3 to most off mently provided for?

provide for a system of depôts and reserves, and a change in its officering, both European and Native taking note of the aggregate number of Native auxiliaries, there fould strange of the Native checky when could be considered of the coperation with our carry on fold service. Think (c), by effecting a large reduction in the original servicing names of the Native princes comparching withink their extension. The first checky (i), I would propose to attum, having regard to the cucumstance that the specys The first checky.

are mostly of the agricultural class, through the medium of regiments of three batt, hons, of 800 rank or menty or one agramment cause, to more now merum or regiments or times nationally or one yield and allo each, all recentled in the same defined, from what the regiment would the lets term-cal designation. One lettedbase in turn to be always on long furlough of their home on helf pay, and would not see a depth for recruiting and furnating must furl resonance as they occurred in this severe lettrious. After fifteen pares' serious, must be pileted on a reserved lett on a low provisional persons, but to be held inable during the ensuing ten years to be called up, on war breaking out to carrie or mercan date. out, to serve on garrison duty The European officers present with the hattalion proceeding in its turn on furlough, with the excep-

tion of a commandant and adjutant to carry on the depôt duties, shall be placed on half pay countly with the men during the treatmal furlough period, and allowed to pass the time at home or in India at their option, inducements being held out to them to stay and settle in India by grants of land on

favorable terms

The Bulogean officers of each buitalion should be increased to twenty-five in number. Retaining with the battahon on duty with the colors in equal number of officers as now serve with the Native regiments and on equal poy, the remainder should be eligible after four years' service with the regiment, general and on the executive drives charts of the civil administration of the Government, on qualifying examination, the judged offees being filled mostly by Natives. Such diversion of military quantying examination, is a planear of one select mean mean by relatives. Dues to planear to multiply observe to over separate or an expect of absolutely independent Button parameter for one for planear to meet broading out the exceptance in respect of absolutely independent Button parameter for fifteen being so few as planearly to prove the rule. This would provide the reserve of officers to of officies being so that is placefully to prove use the . They would provide that exercise to concern or must the contingency of war, the want of which has I can fell by persey remandate in the field, from Sn. Chales Noner at Microsco downwards. Then reak would go on in their regiments, they would repeat for scritch to all the materitanes had made, mass, for. And offer their early regimental farament play would repeat for scritch with undramatical scal and efficiency, looking upon these argument as then home. They might be permitted in certain proportions to join the periodical camps of exercise to keep subsect of their profession. As a matter of experience, some of the ablest commanders in Indian wars have been officers who had been long absent from their regiments, in civil employ,—Sn Walter Gilbert and others. The introduction of this system would enable the expensive civilan element in the administration to be graduintroduction of this system were common the expressive extrains contain the trainment were to be offered by discussed with, to the encorrums relate of the finances, and converge to the defirmant, I rentine to think, of practical editionary. The administration of the non-regulation provinces through military effects mostly has always been admitted to be most successful. Of its comparture economy there could be no question

The proposed change would facilitate the gradual extraction of the cumbrons staff corps with its rank and file of field officers—in member which Government has been endervouring to get rid of by

various devices. A place for some of them might be found in the reorganized army

Interchanges between officers and men respectively of the several battahous to be permissible. not compulsory

As difficulty might be apprehended under the present system of competition in filling up appro-nately the large number of vacancies to complete the Nature regiments to the proposed strength in Laropean officers under the revised organization, let the nominations of cadets be made direct from lome as formerly, subject to a qualifying examination. A standard of competency being fixed, the nomnee system would afford gurnantees of character and conduct which are wrating under the comnonline system whose more generalized to constance and consider whose are winted general too certainly effective system, instanced as both constructor and nonline would be under the salutary rest unto of Nobleze chief. The paleony on the part of the public wined swept away the nonunistion system was an unworthy and, I submit, an unarcompile distance of its public men. I would address my

are an unworthy and, I saturate, an unreasonable distract of its public men. I would address my feilure country man from a standpoint above and beyond the sphese of party or interested refigures. You caltered you public servants in high places which made important introduct concease, with making your testics with foreign powers on which the national genetics or commencial prospectly depends, and you have the contract of dimentic participate you will not trust them to act for the public good! Proster on the poet's inspired line. Thus it must all in all, on not at all." If the time should one rouns, deals one. I—when you public mass belong your forman and you can no longer contained in them, by will be time for you to take the management of your affirm into your our hands?

Apart from the general considerations on which the expediency of a reduction of our Birropous curries in Index is indicated.—the same having reference to the Furner's reduction of our Division.

Apart from the general enhancemental marks for expension of the larger relation of the form of the for

decelor ment of the ranger system in the interval -the measure might stall further be facilitated by

forming in Algeria for our Native army with which to interchange troops for service periodically Within our own dominions, the remote stations of Borma, Aden, Assam, and our newly acquired Within our own dominions, the remote strices of Borney, Aden, Assun, and our nearly acquired possessors on the north-sest formites, munchately occur allowed, the West Indies, Sulliviad, and exertinally perhaps Abyevana, should possible political changes in that country fare the restoration of the young praces, Theodorder's son, now or madage in England, to the Abyesian throne Again, Beryt looms in the persish not remote future, and will again perhaps, as of old, prove an Indian field Some of these countries possess in their population the finesh run unitered in the world, perhaps, for trops. So long age as 1845, Cohend John Surbarded, Joneanly, Agant Gorenno-General in Rappostum, pounted out the Kuffirs from personal Loord-degree as enumently suited for our ranks. Truned by us, such foreign troops would constitute in periodical reliefs an useful counterpoise to our own Native army, to be rehered from time to time by such of our regiments as it might be deemed expedient to send on foreign sevice for a time. Enverable elements of counterpose, moreover, exist, expedient to send on foreign waves for 'time. Ravorable dements of counterposite, moreover, exist, within our on sciences in the several empored obsergance scattered throughout the country. When officially mappeting the Meywar Bheel Corps in 1839, I note occasion to prote to the polery of encolings appoint on a Blocks in the ranks of our Netwo warm, same, as I observed, the distinction which good solders of this security contensed mes nould receive samply as served for multiny ment; mould retrict layed externant in our ranks that defanishes of excel dud not enter into the compestion of the despite of the compestion of the despited solders whose layers in the compestion of the compession of a desegment source values majors torque assent to a summary tank privilegal reference factor the multiry, to my neglected surrough, I submitted wheeling, if the Blacks and other shoutques had been concluded at that early day, those might not have been found in every against 7 few furthful among the furthfuls to us my or ofference of the unspending danger. The despitan of such a system might earlied our Duropeun gainton, as above remulad, to be considerably reduced Divide et eripera

Drade et utypes. Netwo commessioned and non commessioned officers should be appointed to their grides dreet. From the rules of the handed gentry or other respectable dreets: This would not be intended to reclude from promotion to the non-commissioned grade only privates of comptional ment; but, as a rule, the prospect of such promotion on enlatiment is too remote to be tall on recount of by the remotion of the promotion of the remote to be tall on recount of by the remotion of the remote promotion of the remote of

Reso Darasan corps wherever this class may be found in sufficient numbers and milling to enrol themselves Their necessary identity of interest with the British governing class, their courage, their intelligence, would constitute such corps important factors among the elements of counterpoise

above indicated

above minuted.

The spectrum may arise, is consemption soutable for Inda's Considering the visit diversity of mass propling this continent, from the most as all-he and hardy to the most approad to and, bit would fine the visit of the most approad to and, bit would not not traversible this, that the former contribute time must of colors to one value, the latter, the doctine to resist in protesting the country, might be called upon to pay an indicately to be therefore from the constitution of hardy, we must be constituted that of the 200 millions of the population of hardy, we must be morning from the non-indicative protein of the 200 millions of the proposition of hardy, we must be morning that of indicative, visit by the property of the property of the country of the most property deputies, which would report to Government the agent estimates the marries of the minutes the tent continued upon Concernment with this measure, and in full relation on its othersy for the ministenance of order value Reprosition, riter all the regular pull troops in the non-internation of all the States, the British troops statoged there, comprising three largeles, might be wholly withdrawn and the strength of the army correspondmarry relation.

there, comprising these ways were proposed a science of two stress of the Strites (third herd (c)). The damp and a stress of the same of the Strites (third herd (c)) armly expectably be unconsisted by the same officer, one specially depend on these difficult and delected datus being midispursable. Those of Scandry, Holley, the Nixam, Cashmera, Katharaya, Odey part Jeyrar, manufately come as decreated by a certain stress of Special from an inquint mace with Delarraya Scandia so presumably minimate and confidential that on having to have for his herlid during the time that I was Resembler at Cwarlor, His Highness motor over the change and second of the Control of the Strict meregeneith to min herd.—we say, and of things the formal sention the arrival duting the time are research to my hands—see in 7 and of timing the form it sention of the Viccoy to such us exceptional delegation of the sutherity as safe to the British representative at last contract than I can extend to a such that the object in verse might be effected in the size by delth cale negociation without coursing any par or lensing any unpleasant impression

5 Has up see rd to 1 S and 1 what now live of troops must be kept permanently under on a to part out the out in 10 percent meaned from 1 may percent meaned from 1 may refer to the main 1 at command and the macro-say. v milielli u juipé ce suivur +

5 See remark to No 1

"As many that the Path b force sow a thrownery renot to bord to the cost of at make a melli demanded by altered one the common of the section under

6 Yes (1) by enlisting recruits specially for service

As the twitter is a lower for my two contributed in a lower for my two contributed in the factor was a finished as the many my two contributed in the factor was a finished as the many my two contributed in the factor was a finished as the many my two contributed in the factor was a finished as the many my two contributed in the factor of the factor o

large proportion of the regiment volunteered to surve on in India. Judging from the experience of the large proportion or this regiment remainteness to curve our mixtures "sungrang nous one experience or the old local European army, especially in the artillery baseds, collectments for long Indian service angels be expected to others, a far anymore class of recruits than obtains under the p e-cut sho t might be expected to strates. A the suppose resist or returns turn one-miss under one p-cuts and servine system. I make no resourch of the changes unposed to be tubered in the old system as littles with the last property of the submarked wreak was unapply the consequence of turners of the machine in mit cumpagement on the private the authorizes in mit cumpagement on the private the submarked mit compagement on the private the submarked mit compagement on the private that the submarked mit compagement of the private that the submarked mit co or the ment service on a case operant of one - Law oneous of the Casem's health, we should have then by the beauty offered to death the Casem's health, we should have heard nothing of the "White Metry"

nears nothing of the "1 see August of the prolonged period of Indian service here advocated.

The less freq and relation of regiments under the prolonged period of Indian service here advocated would someth of the abolition of the present costly system of troopships, recourse being had, as former would someth of the present costly system of troopships, recourse being had, as former would someth of the present costly system of troopships, recourse being had, as former than the cost of the present costly system of troopships. ly, to the open market of the mercuntile manne, as occasion ares, from time to time, at diminished 19, to 100 open more so one mare quite meaning in comment comes are the transport in commentered for tribute. I ficked the exchange of this transporting prevents the development of the merinties means not on efficient transport serve to meet the strain of possible way, and which the transpolage along would not be equal to. In their place, the whole meet inthe narme in castant writes, whether blonging to comprone on infraudrit, and expectedly the subsidized postal lines, should be put not requisition, the latter discelly and ordinarily on an enhanced subsidy, and styled the postal transport service the featurer or the general marine, should be mysted to tender for transport, con-ditional on continguouses. All results to tendering to be registered on minute detail as regards expressly for transport of men houses, guns, elephratis, &c , and written contracts as to rates entered into By such a system, Government would know its transport resources in the event of war breaking out, sent a system, variations women now the unspect prosection me event on the presence of the needs of model he able to avoid riself of the same at ordinary rises unstead of monopoly has it ties. Such an effective demand, nonecone might be expected to call into existence a criss of costel spacially adopted for the service, conforming to stipulated height between deeds, platforms fitted with Interbolts any per in the state of the comment of the state of the s on the ermy estimates, and "all events" are more control. It is the destinating to the circularity and establishment event that faulters to proceed soot in the weight upon the finances with the trightly of a content guarathy—pared at goal electrically of a content guarathy—pared at goal electrically of a hope of occasional relief.

The principle heteron movel or a pulsable to content out Damaches of the public service which I shall be propried at proper size one out have to mano, and formals examples in illustration. He will be propried at proper size of the British faires in Ballar at a postion of it mere reconstituted unto a local carry, would be dimanded by the moment of the process depth captains of a blic number.

of regiments. It would be me great measure received the spensively by volunteers from the line regiments returning to England from time to time in schot. One of the fundamental conditions of its reconstitution as a local army should be that it would be available for service in all parts of the would on emergence, that it should be a body of proneers are delibe for working on reads fortifica-tions &c. Schools in the hills for their children would form the germ of colonies, and wente lands being

allotted would give them a local habitation

Indicate from given that we considered to the convoleration of the money economy view of the question, as between long and short searner in the Dampson make in their comparative bothem on the Indian finances. But, considering that efficiency in the army, at whatever cost second, is the truest economy, I would remark on some of the boy solder regrounts I met with in the field lately when proceeding to the front as troops which the Government of India might reasonably demor to is enduted with An wornge age of 20 throughout the ranks including non commissioned officers, and note man in the regument over 25 years, randers apparent to the commonest non-professional undernote men in the regiment or eff press, random sparset to the commonest numerication of a standard the defects of a rather that could place such represents in the field for hard water service. Figs cally, what reacting entance could they pressed. Professionally, what incoming in the sease of more dissipation and the equipment of a midstay matters, double betweeted in so being a proof with the close? Good experienced non-commissioned officers are the buddens of an dury, groups of the sease of the rival and file by these campalls and controlling pressure, set from entires in by the traditions of which they are the laring representatives. What saintry influence and respects read the by a recent be an eyelected observe from the non-commissioned other late and years it at all his deleg and equally any I forbeaut of this on all I saw and guthered in the form; much reserve treatment the sections at arise to some of the messence of a clause in this parties of needy recording the sections impression it made upon me of the necessity of a change in the system of organization. Whather the object of accumulating a strong home reserve which suggested the shortservice sistem might not be seemed by extending the period of service in the reserve from 6 to 12 certific e sistem migra one of control of the figures with molecoment to re-enging of will rest write does and the monutum term demote dentationate to I prease with molecoment to re-enging of will rest write the commission to consider. Most especially should exceptional inducements to held out to monomunesconed officers to continue to serve on for molonged periods

- 7 What should be the tocolosist organ satto and days on of commands and proport on of a perior officers and staff?
- 8 What units of organization for field arrive seem best suited to the is alreadil one of Ind an workers, and can store the adopted to or on neeted with the territorial organiza-tion as in Europe?
- Is it desimble to munitum the presiden 9 Is at desimble to minimum the president had minima distinct on at present and are the lim state ond separate departments now minimum absorder ental to the eligible of the time administration under the present president.
- 7 See remark to No 1
- See remark to No Y

9 This would appear to be but part of a larger question mostlying the continuance of the miner presidencies, but if required to be answered with inference exclusively to its military aspect, it may be conceded that it is not desirable to

van skundriana nade ike present pen
munary vapec, na mvy de concenent nans in 18 not dezirable to
namivum the president of namics desirable var it present. In
abbilding, however, the minur presidential ramy commends, v. mejet be found expedient, in cele to obvite the possible monvections of the additional prironge being thrown exclusively upon the hunds of the Commander in Chief in India to devolve the party on generals of division who, specially selected, should be vested with political as well as military power author the careles of their divisional communions. Nonminations to military staff

(1312)

appointments within the division to be subject to confirmation by the Commander in-Chief in India Accountations to political appointments, in the local political corps and others, to be subject to con-

firmation by the Victory

In order to enable the Commander in Chief to exercise impartially his increased powers over the In order to enable the Commander in Class in screece importantly his increased powers once the presidented range, his benderates should act to fixed, but he should be required to more the sent from presidency to presidency, to become experiment with the country, its transaction of the many first producers and to officers of the major presidences. These provisions magnife probably compressive the not unnutural learnings towards personally. Insura muchotics for repositionness on the part of the dispenses of particip set of Stand hed quarters. Again, mines of way, such guarantees might often for the natures of the major presidences of the should be approximately and the particip of the dispenses of the major presidences of the should be approximately the standard of the participation of the standard of the nationities from the too oft resterated charge of pretraints in the formation of armies for field service. The abolition of the presidential commands would of course cury with it the abolition likewise of the local aimies' head quarters staff, such as the adjutant general, quarter-master general, commissinggeneral, &c , to the lutther rebef of the farmers

The increased power above provided for to be placed in the bands of divisional generals would be but revening to the system which has been found to wol, so well in former days as in more recent times. Lymples from both periods about a General St. David Ochtenbury, General Sr. John Malcolm, General Lord Loke, General Sr. Ather Wellskey and others in the part—Breyther-General Sr. Henry Liv rence, Jestelsenat-General Sw. Junes Ontrina, Brigador General Sr. Richmond Shirk-spent more recently in the mutany, were one and all conspicuous examples of the increased efficiency required by the concentration of power, multiary and political, in one and the same hand Practically in thoubled times, authority massesibly resolves itself into divisional or district circles, Productly in thousand times, distinctly increasing resources used may be accessed or distinct extends until true or all. The first thing that hoppens is, the ware sent, then the post course to incree—and the central outborth is at an end. The distinct then becomes isolated—a typical unit of the empression in solution that the course isolated—a typical unit of the empression and the course is the sent of the course is to sent the central resource of the course cade or in intrin mentalization, and as summer and extra freeze and other to agree itself, and undermity for independent, the mentality stemand-intoin of public officers on emergencies, seeled com-mersons -thould usus, meeting the Goreenment nomines in every district, soldier or on thing, with summer than this their cardes in the cycle of contengences. Sar Henry Lawrence, it is under supreme power natura user carces as the event of cottangences. Set filtery Lorentze, it is under stood in the networtness or generation of Governor General in its prose soon when his do ded. He had knowled delegated, by drug itselement, his supreme undentry in Luci now, multicy and policy and to alter the hadron proved the contract of the set of the eventualities by the above provisional measure

10 Should the troops of the serveral press dential annues as a rule score in their sema providence so only everyt when called out for wat or should they full a recognized share of fourtur and order general obey to.

10 Should serve in them own presidencies, except in exceptional cases where it might be deemed advisable, in the interest of the State and for the benefit of the regiments to more where there alread was greated at Me 2 but

ordinarily, troops should serve in their own presidencies,—
let with a view to exorte emulation through expert the corps when meeting on common field service,

let with a view to exote empletion through equal de copy whose meeting on common field service.

But, to chain to the more perfect descipement of the divincend increte system solo on showed to the more perfect descipement of the divincend increte system solo on showed to the Divings supprise in the inter Afgaba way. Bloody they supprise to the Communder in Clark, Varless supprise in the first Afgaba way. Bloody through Employee this properties will be the title of Goognet. On reling back from the front is the clase of the day, earlying to the Communder in Clark, Lad Gough, on whose staff I was strong, General Three-Ardia's valid apport of the operations and results of the parent, I must thus battery, by successive half troops, far in not more of any of our other critical parent. But them it was the only articles, battery on the "detailment system" in the fold, which of comise gate it is greater communit of home power. It was bound, more offer the parent. All the strong the strong the strong the strong the strong the strong the strong the strong the strong the strong that the strong t soming the rea wan jets mouter, pij taken of the soes in the american expression, pass can than grussory to the feath of the Bengril side, on the other than the feath of the solution is related to the solution of the solution of solutions and the solution of the solutio orders as 1 -D -C in the thick of the Pein in Kotal assiult, &e

In division leads, now ejecully above their boundaries run conformations with foreign territory, it would be the duty of the division's life to become intuitiely separated with such territory, of would be the duty of the division's life to become intuitiely separated with such territory, topographically and publically, so that, in the exect of histolities breaking out, they might be proposed to seize at once on strategic positions, and exerte diversions by political confinations. A proportion of the troops in each division to be held fully equipped with their war complement of transport. Such a stre of watchful preparedness would seem but a natural corollary to the propo ed reduction of the muster (I man in grari on, so that we might some to find that true consony consisted, a was nell put to a comparary multitre writer, 'in bis me a manumem number of mean in a maximum state of a means.'

Il Horngram I to the alterators made or car fort I will not only one of our free in garne we deep leto man at him in the out to the control of the lateral of the lateral of the control of the lateral of the control o

11 To be placed under the orders of the Commander-iu Chief in order that it my be brought under the same mil-tary organization as the rest of the reorganized arm. By this measure, the efficiency of the frontier force would be increased, red certain era tang anomabes an respect of ordinary mulitary rules and usage he redresed. A division of the fron-

ther force thus rongenized, berne, fact and gone, fully equipped as a moreciale column, to be retained under the orders of the early power for the tini quilication of the rectified fronties through a general officer specially selected by the Vicerny and vested with tall political authority in and over the K nun and A hyber frontiers so us to throw the hilly truck of the Truth with its turbulent tribes-lifredece Oral rus Zamushte Mossocrus, Alisherrans &c, &c under one and the same controlling nutl orth. On the reclumation of the border tribes and the attriument of order on the horder, which might be accomplished on the lines of our successful operations in Rasputana over once equily turbulent tribes Blacks, Micross, &c &c, thus drysson of the frontier force to revert to the command of the Commander in Clinel for general service

- 19 As sing that Sind a to be annexed to the Pangub she id the Sind regiments remain local zod neab preent and under whose costs mand should if ey he placed?
- 13 Is the present organization of the gop ply and transport departments of the army that best udayted to its requirement, in peace and vet or we any changes descrable and of so of what making?

12 Should remain localized and be placed under the command of a general officer vested with full military and poli-tical authority on the border as Loud of the Marches, under the general control of the Viceroy 13 The two departments, supply and transport, should be separated the supply remuning, as at present, under the

commissionat which, as a supply department, has provid in the recent company as the Indian commissatiat has always been known to be, equal to the occasion the tamport to be placed absolutely under the maintary authorities. There absold be one herd of the transport department generally under the designation of director general of it mapor, whose pince should be ordinarily at army head quaters. Under him would note a staff of transport officers, one in evaluations. divisional circle of the army, and under these again a permanent staff of mairant officers. To each of thouse range or use string, one super two signs a personner was on was tone vames. An excursion of transport estendible allotted in peace time a proportion of transport estendible of equip efficiently a strong longade as a moreoble column. This transport would be used for the personnel relief of the tenses on the drusson, thereby obtaining the oppression requestions for the purpose on the agricultural carriage of the country. The saving, measure of the cost of carriage included in these penodical marches in rehel would go far to recoup the cost of Leaping up the pr. minent perce astab-

hishment of transport above undexted

On war beening out these divisional transport issues would form the nucleus for expansion to the represented for the old representation of th showing to our naview and the season of the to responsible our in currys women me groun inexponenting or the communiting outen or the company of the proper product of the proper control of the proper can ed thair transport, their leading, then feeding, then longuage, doe. In regard to the control of the a regain course of peak and. The total wast of knowledge of this secretary required in the place in offerer in the late was with earlier and parameter being readered useless from gulls. I had the stronger recently, in passing through Karul Pande in any way to the trong, to see the new could get (abstracted), multi-viter with earlier through the kind courtery of Myos. Kans, commanding Every men Native dayes as well in Demogram gamany, know the peop place for every part of the expression of the people of the people of the people of the people of the every second of the males on their work account in the people of the people of the every second of the This males on their work account measured to heave of the close of the work was an assertible formed. equipment, we case in noticery, or communical and louded in column of youth, and also how to locat it.

Then in his, on their per signing, seemed to know all shoots it, having been carefully truned under
the major that which this bettery come into action from column of route, and again distributes, conrelocated and record column of route was most attemptible.

reconstend on resulted country or roote was most remirate.

Another point of detail, but on of great proched importunes, as the phinting of this mule attendant minding and unstalling, and generally separang and re-arrangeng, the professionism of the parts of the great of the great of the great of the great of the series to the heavier benefit the sarring from guilling in house professionism of the sarring from guilling in house photos as old it gives the contract of the sarring from guilling in house photos as of the formula attendants to have the house contract of the formula attendants to have the house contract of the sarring from guilling in the contract of the sarring from the house contract of the sarring from the house contract of the sarring from the sa phoes in suidit and harness sum by re-up erson, nece manary so manarous a head out of increased pay, &c to the mule attendants to learn the business and all times he removed for the among a

held of of moresed pay, &c. to the mole attendants to team the business. Doe retermany cans should wall tissue be provided for the samules of the transport trum. The absence of all element-rictive retermany central with the several columns listly in the field led to absence of all element-rictive retermany central with the providing an agreed measure failed by the field led to be that as several order and the fact of these issues, been no administrative reterminy officer and of the columns would health be exhibit. The subject of veterinery officers may office a most allowed as the several se

tent force asserves a returns several consumeration. The commissional department should indent on the transport train for their confinements which could be according to commerciate and subject to sanction by the officer commercing the frace.

Their regulations to transport would stord a useful index to the quantity of supplies available for

the form

One temperature them of supply might most expediently be had upon the commonwert, so , forage

One temperature the commonwert, so , forage

for the mounted branch, as supersession of the present system of regimental grass cuttiers. The major

and oppression occasioned to the timel populations throughout our long settled districts by the frequency

to be the common amount of the commonwert branch of frequence are made by a molecular to and oppression consecuted to the turnit population, terroughout our long section distincts by the Property September 1, 1997, and the property of the property turbed upon and of without pyrment or comperction, in often memoriable unjury to done to the beautiful till the competition of beneated it tud lung at water channels, plages or comments we scarged vary with use un-prompt [style (the great of ter's heef Agent, the word of fences of well top frames, &c., carned of fin featured. The only vectors of the country's there the guescenthe system can work when larger to the rural population is of the in Active states where locates of great-had, called identity, and larger to the same of the mounted femicle for the Nation consequence of somewhat the moult of the property of the state of the same of the mounted femicle is the same of the same of the same of the mounted femicle is the same of the mounted femicle is the same of the same of the same of the same of the mounted femile is the same of the same of the same of the same of the same of the same of the same of the mounted femile is the same of the same used over for the use of the mounted lemesh by the Nettyo government strongth the good effices of

the political officers, or agum, in newly cettled British distincts after conquest where waste land is plentiful. But to permit a continuance of the system in our old settled distincts where the sent parameter is not generated on your by yor by calthridon and the criting exited for unboth as sparamege is language as language are language as language as language are languaged as the sparameter of the sparame

It is true that to all enginy stations a tract of made hand, called a ruck, is attached for the use of the mounted branch, but ordinarily it is at so great a distance of that the grass cutters cannot make the journer going and lines, and ear their griss within the same day. They lie consequently under great temptation to trespass on private lands nearer home the more so since the rick when reached affords but poor forage, being generally the worst but of waste land in the district, unsuitable for

This subject has I believe, often been brought before the authorities, and the owl of the system and non-ledged but it is rectamble above munitaried, nevertheless on the one vital ground of its relocation never the system on the one vital ground of its relocation nevertheless and the one vital ground of the choicate necessity on field serve. This is greatly the greated on which I propose to show that the system is not only not necessary but on the contray an impediment and an obstruction to field opera-tions in an energy's country. The troops, instead of being left to rest infer marching, are harrised by guards to convoy and protect the grass-estern. And even with such precurior they are allows straying out of guard range and getting out up, to their on a remove december that our discretization of the convolution of the co Agruin, too find it is either too is some above experience of an wants must enter more receiver experience of the country, excepting in the rise even of pulled and any of the shell the experience of the country, excepting in the rise even of pulled enabone through the healthy of a penciful centilated government when it would only return to which what is would by force, pring for the sum. Money are stooding, and is more early excentioned that a response in grave cutter? In set These and more experience of men with a response in grave cutter? In set These and more experience that me when the first force the first definition in example. As an instance of the emulationee of the almighty rupee in the late war, I may mention an incident that occurred to myself. Having to talle shelter and seek refreshment in a Zamusht villago of bad this occurred to myouth a favoring of we measure with seek restanciation in a familiarity things of the region when done on with bert and konge during a long ride back from the Koram column front in Juno lets, I was supered at the quality of the flue wheet eakest they brought me along with the local of milk. My colorly and friender explained that the people all long their hin do into so much mony out of the British topog during the few meaks of the enapsing a this they had given up their corns front grants and would have nothing but the fluest "factor." (when I) When I did that I have my self lind to pay we much as the repress a mound for forces, and column) one rapes, the engeness of see in it, to yet a more as it is traces a swind for foregs, and ordinarily one rapec, the eigeness of the people to image in supplies any is understood. On heigh integrits in they should be stored and hubbunded it the advanced depth and it the second brilling places along the line of communications on the plus detected in any memorisation, sited the fift Decoder lest in adaptation of the Way Office circular of the let June 1878, to the operations of our remove in the field in India, copies of which I had the lones of emissities to the Vereys, to the Commended in India, only so of which I lightle is the Peid Marchal Communicing in-Clord at the House Guriel.

As to the discriptive source of supril of forage if the grass catter systom is done many with, let the commission have her made and slacked as is done through contractors in the Madris and Bombiy pre idencies. If in the estimated aumual yield may deficiency should be unucupated, tenders for the riquired halonce aught be idirectised for in the same very as for other supplies required for the

public service

11 Are the wirld e stores now procured and multimed in the minute most ero annual con start with alignment of

16 What hies should be considered and man noticed as our main it hists been of cost mist cates and what its lines of rad and rathers are of sections organismportance. 11 See remark to No 1

15 Among non lines of ruly 13 -(1) The Northern Panyab State Railway to be consided to Peshawar with all possible expedition. Latensions to

many as at noting at importance both through that pres, and on to the foot file Perus.

And, up the Meeturus and Aurin valleys on the one hard, and up the Khyler pres on the other, will naturally fall under consideration when our finance. have been a trieved by the adoption of the measures above sketched, and the frontier tribes means hile have been got a little in hand.

(2) A bruich of the Indus Valley Ruling from Moolton to Quetta et Dera Ghizi and Thull Chotiali route, with continuation from Quetta across Palun valley to the foot of the Kojuck pass

(1) A bruck from the Guilh Robillshand Bulas to farveree Deltan Door, entering at Hardwar teres the Gruges, and Laving the vides at Ray Gelf nows the James and joining the Study, Purple in I Dills has at Jagadree. This within two of ming this range of hills analytic for the

location of Lirogram troops throughout

With a spect to the completed lines the Past Indian, Great It dian Peninsula, and others, having been ind down on methods weighod mility considerations at its presumed that they will be main-tum in their integrats. The only exception has reference to the Indus Vallas Radiras, which, it is believed, might more advantageously leid to Bombay by connection with the Bombay and Bready hoe at Dice to about the embresh from Kurrachee maintaining the section from Sakhar to Kurrachee is a branch. History trace-ed the Indos Valley line from Lalore to Kurrachee and back last April from all I sm and gathered extracte the defects of the line between Mooltan and Kotree The inditales or ribed, and calculated to entail such numerous and recurring cost for its maintime that it would sam primitive to do on a the question of the terminus while such apparent de exts < b 1 t in the holly of the line

Although not melted in the questions deliated for report by the army organization commission, here tell a power to a the report continuation of the army model department appears to me, and if such amportance to the health and neithering of two coursels in arms of the stand hald, and to the elimency of the variant general,

that I feel constrained to append some remarks on the subject, based on observations that I have recently had an opportunity of making in the field Such remarks, I venture to hope, may appear the less obtained alloc an official committee is at this moment atting in England to enquire into the less obtained and omnication committee is an unsuscensive state, an acquitation to enquise who causes which clean do prevents admissed played productive from coming forward for the entary makens service, and eggre, that the Secretary at War, during the late debrie in the House of Common on the army estimates for modical establishments and services, appealed to the members of Establishmy and Dimburgh University invoking the help of the medical bedies in ragred to mominations of candidates for the aimy medical department. It would seem bence as if the medical

(1345)

reorganization of 1873 were on its trial, and the door to discussion therefore stall open reagramments in 1919 were un as the man the most of constants married and Germany, there is undoubledly In that system, comed avenedly from the models of America and Germany, there is undoubledly much that is good in theory, and had we confunded analyses with grafting on our own system what appeared cytable of adaptation for manifest improvement and succeptable of being assimilated without volence to our own institutions or to the genus of the nation, all would have concurred in approving the modified referm. But, instead of gratting the foreign bud secentifically, to cut down our own parent stem root and branch and stock a foreign tree in its place in the hope that it would take root meserver, immediately after the France Pressru war, along with the infined change in our military system to short service in our roads, lent y color to the unfavorable impression. My lamented friend and the justly monrard of the nation, Richard Cobden, presented me on publication, with a copy of his humerous brochure. The Three Parses,—exhibiting the nation in its periodical fits of scare The explination of such panies would seem to be that the nation is taken by surprise by some coup or crare on the part of the Government to which it has confided its public affairs while pursuing indivi-dually unconcerned its private an contons. Government by surprises and barlequinade may have its

dangers, if produced too often on a fausting people
Descending to priticulars, before abolishing the regimental hospital system, it would have been well to make sure that the substitute for it, in the base or field hospital system, would practically work of miner constances. In the France Prison was the France army, who made are not not worken all consequently, if my internal of any time occurred between the advancing column in the front and the bear hospital the wounded or soic could readily be conveyed. How it all it with the Buttain columns in the field in the revent Afgirm work On proceeding to the front I found the base hospitale at Poshawar and Kuram at distances of seventy and thuty four miles severally from best nonprint of treatment and internal to demonster on executely and unity our limits septently from their respective front hims these internal not connected by railways, not even by roads, but by bree tracks eightly chaired of boulders, crossed on the Ku am into by the leftly Perrit Kotal range of monotation, often unpressible in warms and on the other line passing through the Khaiba Pase infested by out threats. Consequently the British regiments in the feat were placed in great finish varieties with the reduced regimental boseful est believes — which is off if on the best hospital. I was at Ali Khayi when a strong recommission on which are ecompassed with a loopsilal amboliance and medical expensions in adequate apported to the confugeracy of the nexts alternative.

The theory of the fitting in that the low- or field beoptial, is munodridely in next, (within a mile).

The theory of the time a that the now of non-sequent is immerence in rest principal of the fresh its. The variet differences in precision which I have pointed out would some to inducted that the should no emission experient in the severang coope. I need to estudie the state the considered experient in its sweeping coope. I need wester to submit that a modification providing for the restriction of the regimental beginds of which represents to submit the subject to a supervising control by the sensor method filler in garrison or the divisional P M O in the field. would be more in the interest of the men, who notoriously do befor in their own regimental hospitals than in a general hospital, and more congenial to the anny surgeous in restoring to them at once their homes with their regiments and the object of interest they confessedly had deep at heart in their

In endervouring to tract the causes which have made the army medical department so unpopular the terms of the present medical warrant come prominently into view. Therebe candidates are invited the fettin of the present incules werrant come prominently into view. I higher camonance are invited to join the curry motical service, with a linkly to be compatibly service affect for givers, on a bouns of £1,000—this amount boing considered sufficient to buy them a provide precise Daming such period of savines, not being attached to any regiment or battery, they are critically floring warfs on the surface of initiary statemes and seasily, without a borne or a croid of friends, such as a regiment would be at did formerly, afford Doll at not occur to the framers of such a various that that of afferted despiles men to any professions. O AURLIE must be opened to them—a glittlening goal in the far perspective elithough but one in a thousand may over reach it, yet all considers consistent and statement endeators under revisions and storoffers relations which cold to all emobling ambition and sustaining endern our under privations and exercises perhaps, which only the heart that knoweth its own sorrow "could reveal. What the marshall's buton in his knapsack is to the marching soldier -what the woolside is to the briefless barrister, what the mitre to the toring, prisent curite, -that you must place at the end of the long vists before the young medical student's vision. As it is, you expect eligible candidates young men good all round, of respectable parentage, well brought up, expensively educated at an advanced age when then contemporaries are already universed on their respective enters — on expect these men to sell to you the flour of their youth with all its spring tide aspiritions under the hibitory of being turned admit after ten years, with politions a statistical constitution from services in a torqueal elemente, and under the presumptive stiguia of "a fullere," as a stock in tende to commitmee the mew Some are kept on it is true, but, this only renders it the more invisions and the more damning, to the rest. In such subsciption it would seem as if the deepest feelings of our common human nature and the ordinary motives of human action had been entirely overloof ed

After the admitted follows of the medical warrant, from causes which I have here endercoured to trace, it seems unrecountrible that a warration the same lines should have been issued for another very important branch of the anny, it., the veterinary legislation. The result may but be anticipated from the experience realized in respect of the metherl department

The class caphorism Farest at horte docers is sound. But, in copying what we see to be attended with successful results in our enemy's operations, we must be sure that our own circumstances we identical, or it least in all essential points similar. Otherwise, while we think as are guided by (1346)

Appendix IV]

be consigling n wifely on the verpath we may find that we lase been delided by an g sft s

In conclusion I would onlober ethat if on my of the above posts and eat d by Go crame t for rejot any ggest on that I have ent red to a limit for the consider then of the army orgin z a on commo on ma t nd n n degree to ss t he de be alor I slall feel ti t e exter ence a university of the main in wegater as a merce to a war is and result the cape expect on wich the main or at thate a man stoffer-consider to wheather a grad thought of a long and medisor or limited as the vegater and a non-point should be common or the consecours so of compagned ecomplished to a function of International Line of submit in the supplementar no es mild cond ce to the a ny med el dep th ent being jut on a stable footing and with an organization calculated to after et fine best men into the e ce

No 8440 gated Sunl 3rd September 18 9

Iron-Coronal A H Merra Dep to Mula t-General Royal Artic v ml dia To-The Sec ciar himy Org n and on Comin so on

I la e (le lonor to relno ledge il o rece pt of yo letter No 1 ? Confdent al d ted 11th st 18 9 nd ti reference til creto beg to enclo o my reple to papers A a d H tiler

r ti forwarded

of I to ldose effit on to the le pat re of the current work of my offee I have been n's tod oe make time as I could be a shed to se eral's byects and begin el millo mill. gence of the comm s n s rega de the br to of one of my reples and to heh I feel I have not be able o lof jutce

S \ grdsp rq 4 of your letter as all clits tated that the commass on libe ery gld to me my opn epters or suggrest owns on any o po sconnected libe of the office of nde composition piels by the letted at equestions I begins in this following le ppro e deserragel en serten as conce agide an thinge a d by whel nere ed th dec ased expend t re to the S to as also of correspond noe all be effected.

(1) Dece al cot o

I—Tie ratom on h most others have rathout when t will not be no able to effect muel good b t l of ferrred out a sent ety. If do no o them anything to 1 once efficiency h o onon, and at the sinci medical take numerasely if o administration of the amy n Inda s decentra 7 to

orderen 7 to that it does not consider the doubt of and to see the expension of the nosit of nuts of refood that for order and often for add the co to Go or ment 11 or one or one order to be the good reformed to meet for a sing office. He sent or feld sepanable not a large policy the full meson of to order to see for a sing office. He and of a large ment of the order

t no noi le s die habed non nuder a foe en tie fed nd m de reponsible for dery ting ie a probabile stelle has il user all notices sole for inche dire count in general de notes and the sole of the so

nadnil o des

f

nadar, lo des VI—Itt or ome s nis team be na elucer a sever graffe and a la naturation of the an in 1 r med-in a la spling a graffe selection of correction of a conference of the analysis of the constant of order will follow a same the forward led for a color of the conference of t

(°) Pa

I - it bound the forecome made belief of art II jet on jet entropen jet i he lid a thep not the bet exact the life of it. It is the life i he limit to the life i had fore a life i so the life i had better the life i had

deals with II therefore, my further check which would obvict the evil complained of could be introduced, it would be a boon to all conceaned, a saving to individuals, and in some instances to

IV—The check which of present sends of causing mappeding officers to report that a belvine such as been kept up morbily on the proper from is not sufficient, portion would any examination andle to in importing officer to decraw. What is unfield as thought and trug of the recounts of a mode to in importing officer to decraw. made by an inspecting cancer or necessary to the second of the desired property of the second of the this are those of the my department. As some batteries do not change hands for several years, unless an annual examination takes place, the accounts may remain in confusion for a long period without its being brought to light

V - When the difficulties which an officer commanding a battery has to contend with are con-

selected, it will not be surprising that recounts go wrong -(a) the complicated and numerous accounts themselves,

(6) the frequent change of officers (in garrison batteries sometimes as many is four in com-

mand m one year)
(c) the difficulty of oblaming qualified pay sergeants,

(d) the fact that frequently officers are entucly men to this country and the system of its recounts, and in many cases have not been long in the service

(c) that the officer commanding has to do all thus, in addition to his other multifarious dities, whereas in the cavalry and infinitely there are payeristics and regularly instructed pay clerks, who do nothing else

VI -I therefore strongly recommend that an expert be deputed to examine the recounts of each

batter, annually VII —I hat all pay lets for one mouth he audited and the objections therein be notified in suffiquant time to reach the earns before the pay hists of the recording month are despatched, and thus avoid the excepting forward of errors to the recording of the second month. As it is, two, and someered the energing formers of a case to the recommits of the second month. As it is, two, and spine intensitives, mentiles depen below the reconstitute, and it is noted in the case, the objection is consisting to do with the risk of large of publish-scales or other Matrice who are always being changed the month of the contract of the

commanding officers thus should be structly enjoined

IX —Further, I do not think that the relations which exist between the pay department and

commonling offices are on a statistically footing, or that the former sufficiently realize that its duty should be to unustrained facultate the adjustment of accounts, material of endutrouring, as I tear to often is the case, to mile objectives which are as times sunnecessary, if not versious. Indeed, m some c. ses, it would almost appear as if the object was to weary out the psymaster (i.e., the com-

in make to spin to the management at me copies were very or one are provided theory of obstruc-rationary difference and spin my 1 times, but, and commanding officers area at the marry of obstruc-tor by when advantage our easily he taken especially in the case of butterses in the field, and season which are rightly charged and extended for worst of some continuage which, which pushings owns to examine, the communancy officer, after it hour, time which has adopted before the recept of the community of the commu of the objection statement, is unable to obtain

MI-I believe many officers of called upon, would produce startling confirmatory evidence on support of what I bring to notice. I can mention one case of a commanding officer who informed mo that he had had settements made for want of roughers which he had rendered and which had been "burked" by the clerk who was convicted and kinded up for the same

MI -Fi riber reports on this subject shall be obtained and forwarded if required but I submit

All — I they report on this suppress were a real to operation to represent the contraction of the the foregoing points to a flow in the present system which requires connection AIII—I do not such it be a minered that I make these compliants regress the officers of this department for I know it is absolutely impossible for them to check all pry lists or even perhaps to satisfy themselves of the correctness of the retrendments to which they ristrolt their signatures—but rather it is the system which is at fault. Under vay ancum-tances, a better I nowledge of the nature of their general datas should be explained and enforced upon all the clerks of the department

(8) Beards of & ree/

I —I think these should be limited, and more trust and confidence placed in communiting officers with regard to the condemnation of muon articles. The report of the officer commanding the b titry, troop or company, with the certificate of the officer communding the coups after personal inspection, that the article is worn out through fair wear and tear should suffice

II -Take any single instance of any article of Gove amount property and the routine necessary for the condemnation of the same—first the regimenful board then on submission of this the station board, and all the various procedures before the article is condemned. Again, in many instances, reference has to be made to Government to stake off stores which have been lost under exceptional erreemstraces or to write oft wheles uluch have been stolen through no want of care or regulance on the part of the corps and which cases could many opinion, he dealt with by officers commanding, the more serious cases being after due enquiry disposed of by general officers commanding

(1) Clerks for Wilners offices

1 — I think that all clerks an indictory offices, whether appearating to Government using head quarters and distincts should be making mean and that the complex means of creatings should be absolutely fortudes. With early prospect of mean read serious with the colours for comes in Judia, there would be no difficulty in obtaining properly qualified men. Classes should be found for the purpose of educating volunteers for this work, the necessary of Il ibus of subjects should be taught, and a list kipt of all precedures, with their respective qualifications. A stimulus would thus be given to

a list kept of all precedures, with their respective quantitations. A stimulus would thus be given to electron throughout the term, benefits would be ledd out to the descring solder, which is time would technical throughout the term, because the sold out to the descring solder, which is time would be soldered little on recentling. If—descrimation sould be set well, if not better, served in all the end person has would be largely reduced. But I would showeth, in adopting this system that the condition of the clerks, both in pay and persons he considered, and that a small posture of the large saving effected by decoted for the improvement of the solders in these reports.

(5) Stables

I think if permanent fittings to stables, as at home, were introduced into this country, saving would be effected after the first outly

(6) Lete gear

I -The supply of line gear to meanted corps by the commis arist department requires consideration in view to saying immerces are expense to Government

II - Complaints are now frequent as to-

(a) quality of uticles,

(6) difficulty in obtaining complaince with indents,

(e) muster patterns not conformed to mali cases III —Horse brushes especially are generally condemned as useless for the purpose of grooming Some are so soft as to be only fit for but brushes — The condemnations in consequence are numerous

I) -The vistem of supply by means of sub contracts to Natives 18, 10 my opinion, ruinous is regards expenditure, anestisteetay to communiting officers, and the inferiously of the articles supplied is doubtless due to a mit of sufficient Duropean supervision

(7) Supply of grans to run uted corps

The pre-est mode of supply by meries of gress eathers is measterfactory, and the question will some or liter have to be mat and ceals with. The gress eathers have had great dishestly in obtaining good great during just herest at eath an excess. What more greated hought had no literature, and conveniently leve with brind, the dishestly will ancrease, and I thenk steps should be taken to secure of the conveniently leve with the conveniently leve with the convenient of the convenient that the statement of the three of monotonic downs for the option of greats entires in continued

(8) Military Secretariat

I -As regards the mulitary department of the Government of Index, I would submit, if it is intended to keep it up nader its present organization, that its constitution should be altered, that appointments thereto should be thrown open to the arms at large, and that one midlery officer of standing and wide experience should be in the department, in view to his treating the more important questions of armimonts, ordinance, say ply, equipments, &e, which are constantly referred by Govern most to the Commander in Chief for opinion, or by His Lveelfoney to Government for a raction H — I than I this would see much correspondence, especially to the ordinance department and to the other contract of the cont

this office, where it is often found necessary to go more mountally into large artiflery questions than mould be necessary it is one known that they would be dealt with in the militing department by an officer of this branch of the service versed in all the feedburchties, and acquainted with artiflery and

ordnance in all their various definls

III—With all the respect, I than the officers constituting the military department of the large armor doubt be officers of the most raund experience obtainable, that they should have an particle A knowledge as journal to of the most raund experience obtainable, that they should have an option letterns of the army, at large and family, to ensure the highest state of efficiency, that the tenure of their appointments should be limited

(9) Istablish neuts

I -I trust it will not be considered out of place here to remail, that some officers have brought to notice the necessity in their opinion for extra Linopean soldiers and artificus being added permit neith to the establishment of butternes of royal artiflers, but as their representations nero based

with an experience gained during the recent evapragn, I have not recommended them II -It will, I feel sure, be evident that such apparatus, formed on the experience of this one compagn, which was exceptional, are not subscient to justify any alteration in the numbers now laid down, and which have been found equal to the strains of nar in numerous other empages, heing Such few widthons is may be necessary will of course, be made in similar commingue ent rf micd in Intire, but I submit that suggestions coming from others with limited experience should be received with reserve and emition

In conclusion, in the event of any of my replace not being understood, or any further explicit nation or information being considered meescary, I would solut the inter of further reference to me,

or, if preferred by the committee, of being examined personally

No 1791, dated Fort St George, 16th October 1870

1 non-Colovel J W America, Centroller of Wibitery Accounts, 1 ort St George, To-Tile Secretars, Arms Organization Commercion

I have the honor with reference to cour letter as per margin, with its account anying file of questions,

Notice to the account of the questions count within the scope of my others duties, I am difficient in vinturing opinion on

[Appendix IV

(1349)

The few on which I may be permitted to offer remail s are as follows -

Queries to Commandants of Native Corps

QUESTIONS

16 Do you consider the reserve system no no you consuct the reserve ago could be applied to the Retire tains of occ

16 Not unless the present term of service were consider ably shortened Pensioned seroys, as a rule, are decrepid, worn-out men While effective and serving with the colors, their families are with them , they have therefore no midneement to seek retirement before actually compelled to leave I do

not thus, with the Mudras system, each regiment forming as it were its own home, it would be feasible as an economical

measure to organize a reserve force

So Is the present most of payment to Modras solitors depending as it does on the p es of r ce a promous urangement?

35 I should say certainly not. The present rule gives rise to codless complications. In the present Afghan war for matanee compensation is allowed to Madras troops serving within frontier, based on the price of grain which is scarrely used, income being the staple food of the country, and yet the calculation is made with the apparent object of enabling the set of to purchase need at a fixed market rate. When need is cheap, the Madras sopry doubtless prefers it, but when dear, he appropriates the compensation money, and satisfies hunself with other gi un

39 Can you suggest a better and more econom cal system in it s pives of the present one for companiation for describes of pro TEDORIS

39 I thind that compensation should be calculated on the gram which is known to form the staple food of the province in which a regiment may be sarving. To grant compensation on the paice of mee in a district where that gran is sourcely procurable and certainly not as a rule consumed by the sepo; is inconsistent and very expensive

A

IS Is the usue of cloth clothing for By tigh troops necessary to all parts of Bodia f

18 This question has frequently invited attention from the frequency with which applications me made for the issue of serge instead and the grant of differential communication in heu, to such an extent as to demond budget provision There are, I believe, no stations in this presidency in which serge would not suffice instead of cloth

2 Stould not a greater use he made of the confinct system ?

2 The contract system has been hargely introduced into this presidency and I would strongly advocate its futures extension in the supply of all studies not requiring special manufacture and scrutary. I believe much been would be derived finneaully by the produce of all mall hopes locally, the article would be superior to that reserved from home for it would unslessy local examination, the parts were desty taken off, would be tany while the loss from parts, were desty taken off, would be tany while the loss from condemnation would it is considered, be much reduced Last year the less in this presidency from wastage and condemnation was over 10 per cent

The foregoing are in connection with the papers forwarded with your letter under acknowledge menž

The following tre suggestions which may be considered worthy of investigation in the interests of army conomy ~

This is an office which Midras alone possesses and the Local Government has on repeated oc-Office of supermitted at a family payments and being quate feasible to transfer the duties, as in the sister presidences to the Military Account Depart-

ment The present system of making peasion payments monthly through the medium of civil tiensury officers station striff officers, or in a few stations of multipy officers specually appointed for the purpose, se quite as expectave and not nearly so efficient, as that obtaining in Bengal, where payments are in det touce a year by officers of the Military Account Department.

Introduction of the Bengal system would entuil un advance of an months' person to commence

with and of nee money calculated on the merge of the previous see months. Rice-money to

pensioners is, I would observe, peculiar to Madras and a not authorized in the other presidences Existing regulations admit of the payment of non-money to my holder of a family certificate of a solder on held or foreign service. This involves a

large expenditure, which, considering that the Recement to holders of family certificates

sepor resources bath and on foreign service free rations in addition, the Strite, na my opinion, is not called up on to meet. The attention of the I ocal Government an savited to this, as an item in which reduction might prospectively be effected, in a letter which I addressed it in July last and it is for consideration whether the concession might not also be withdrawn in the case of pensioners, but not to affect men already enlisted

it is believed, for less costly

(1350)

A change of station in Madras is productive of considerable expense, not only in regard to

huiting-money, purchase and re-sale of lines &c. but more puticularly in the payment of what is Difference of cut have

called difference of curt have, te, one curt is allowed to exert two separs for their families, and the Government pays all the lune in excess of the marketrate of tuning when the rule was made in 1951. When regiments proceed by rul, the families are carried at Government expense, and cart-money is withheld. Should such a concession be continued,

the budget provision to meet which is Rs 11 000? The attention of the Local Government was also called in July last to the heavy expense entailed in the annual more of army head quarters to

Expense connected to a moving army head quarters to the hall Outremund, which, evelusive of the amount my

able out of the tour expenses of His Excellency the Communder-in Chief, has now risen to about Rs 14 000 per unnum.

The financial review recently submitted to Government for the list year shows that horses drafted

And the state of the control association to convenience for the case of the less than Res of the state of the

Dated Cump Cherrelly, 28th August 1879

From - LIFET - COL T ROWLAND, Commanding 1-5th I asshers, To-The Secretary, Army Organization Commission

In forwar ling my replies to the queues contained myour No. 114, Smills, 9th August 1879, I have only one suggestion to offer, 12, that were tents of a much lighter description, say "sepoy's I line only one suggestion to ones, i.e., the were usued to them for all ordinary matching purposes, i.e., rale," than the present E P tents, substituted for them for all ordinary matching purposes, i.e., rale," than the present and the second large extraction of carriage. The L P tents rulefs of regiments in the cool serion, there would be a tery large exting of entringe might he kept at stations in case of any sudden requirement in the hot weather

Rough Movemendum explanatory of the Army Corps System of Commands for India, by Mason P PITEG GALLER, R A

I The whole of India to be divided into five 11m, corps commands. This number suggests itself as being probably the minimum consistent with the strength of each corps, D vesses of the country sate five array corps come a de wig fice?

extent of territory to be supervised, and the proper exercise of the command These commands to include all troops quartered within their boundaries, sone to be under Civil

Commands to unclude all troops Governments directly Stoff of orany corps.—Puch to be communded by a general or licutement general, with a staff as or The whole under one communder in-chief with the Government of India

Aimy Gape Staff

1 hentenant-general (for 5th corps a Jesser rate of pag) 2 indes de i in p

assistant mulitary secretary lexcept for 5th cornsl l depits admit int and deputs quartes moster general lassistint adjut int and assistant quartes master general

I deputy a setant adjut mt and deputs resist int quarter master general I brighter general communiting royal artiflers (except in 5th corps, where a colonel will

Fillice) I brigide major, royal artillers

l deputs commissers general l il puts judge edvocate

I dejuis surgeon geteral

14 2 Bo : larges - The boundaries not to be arbitrary, but those of existing Civil Governments or province

Let Are y corps, I call quarters I abore—the Punph, excluding the city and civil district of Delhi it i important to brite this near to a militare district head quarters
- ' li | cerps, had qua less illi dubit—the North-Western Provinces, Delin district,

Guality State reasons, and Budell hand to district (for political reasons), and Budell hand

arl /r. e.q., Iei/q inter Bo /ap—the present Bombry Prusidence, together with Rujatime and Caniel Index (art such ded in 2nd corpl), also new Pedan frontier the latter because two j atting in it is. In the latter because two j atting in it is. e - a set u st e their bel nang to the corps, header it is not fair for one corps to absorb all chances d

(1351.)

The strength of each corps is as follows -

1st Army Corps Head-Quarters, Lahone

Troops
36 hattalions (12 British)
18 cavalry regunants (3 British)
24 batteries (5 Natives)

Divided who are district commands, viz —

1, Peshawu, 2, Kohat, 3, Rawal Rindi, 4, Miltim, 5 Libere, 6 Suhind—with in average of 6 hathahors and 8 civalry regiments each usde remurks below

The artillery are distributed as under -

Staff

[I field battery, Peshawar 1 mountain battery, Lands Kotal | I heutenant-colonel, 1 Peshawar district, 3 batteries (1 mountain brittery, Charat 1 field buttery, Panyar 1 mountain battery, Panyar 7 hentenant-colonel. 2 Kohat district, 3 hatteries Priwar (I mountain hatter, , Banna 2 horse batteries, Banal Pradi 1 colonel 2 heutenant-2 field batteries, Campbellpore colonels, Pindi and 3 Rawal Pindi district, 6 batteries 1 mountum bettery, Abbottabad Campbellpere l garuson butery Attock I heavy buttery, Multan 1 mountain battery, Dem Ismail 7 hentenant-colonel. 4 Multur district, 3 batteries Khan Mu¹tan I garrison battery, Dera Ghazi Khon I colonel 2 heutenant-

5 Indoor district, 6 haltrares
5 Indoor district, 6 haltrares
6 Submid district, 8 haltrares
7 Indoor Littery, Ambrilla
7 Submid district, 8 haltrares
8 Submid district, 8 haltrares
9 Indoor Littery, Ambrilla
1 Submid haltrary, Ambrilla
1 Submid haltrary, Ambrilla
1 Submid haltrary, Ambrilla
1 Submid haltrary, Ambrilla

Amballa,

Total 2 colonels and 8

Ineutenant colonels, as
sgamst 3 colonels and
6 heutenant colonels as

colonels. Sulkot and

Mun Mir

I hentenant colonel,

According to the above distribution, every hentenent-colonel has a real command and the colonels have my batteries in their districts. Batteries of the same had are as much as possible together, and

all where they are most likely to be required, or at hand for mobilization

an water for year most varyout or companies we as man are monotoneous Distribution and disciple of his a sycoryou—I than the distribute of nearly equal strength are particular to division and districts, which we of versoes sizes and convey no red instrum. Brigadient and mapra-pension impair command without difference of by winds cheefil, I think, be in excess of that of second clear to tagedies, and considerably less than that of present duration commands of the contraction of t

of that of Scothal subsystems, how consecuting sets was were a present an assert commence, amprogeneous so in say with an all present single be great the new Parasil Palls and Lichter districts. My pranopal object, however, in hving are nearly equal district commends corresponding to the art brighted on a range come when enabled is to finethat southerhood. I that it is must be present a fairly districted, and of comes unclede (as in the other wave) off toogs in the province. The Pendawrd state of Lince, funds to the Pendawr district palls of the Pendawrd state. There is not to be force the Twell Pendawrd state of Lince, from the Armen are now sufficiently large to form a district. Similar Lince transfer of Lince, and the Pendawrd state on the deep in Bard Pand; I have been a set of the property of the Pendawrd state of Lince, and the Pendawrd state of Lince, and the Pendawrd state of Lince, and the Pendawrd state of the Pendawrd state of Lince, and the Pendawrd state of Lince, and the Pendawrd state of Lince, and the Pendawrd state of Lince and the Pendawrd and the Pendawrd and the Pendawrd and the Pendawrd and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the World and the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the State of the Pendawrd and the

As it were identified to have been utility intraces at statons where there can not only be imposed themselve and can be add until act a cavely people of the meant they are obtained in over the country and essential with latitions of another deed, I have placed the out Build. Then a very good price is a civalty brigade, or should be I have also placed the out Stalled. Then as a very good price for carriery and artillary a hy, then, speal it by having a number spit force there at precast? I think the British articly regiment should be at Dullowers, where very latith extra economical dress reads held in the precase of the price of the state of the control of the order of the control of the order of the control of the order of the control of the order, there can be not int it and who to employ discontrol of the order of the order of the control of the order, there was British batchious during in the life out of it does (making one at Landi Kotel and one at Paravri). Thus is very decauble

Further This is viey deviable.

Further Thing first army crips on the whole, and maling all allowness for requirements, I think or Cold reduce it by the reletives (one upri-tridler) months lattery to be forefered to Driging, one general lattery to be reletions, lit it is like and laid 4 damators being simple for requirements, and possibly two or thin overally regiments, but I am Barring things in the present sixtle pretity

nearly, as far as the Bengal army is concerned. No doubt, some reduction of the Native infantry is pos ide, but as there : a large degree on Madres (rate 4th corps) and some in Bombay (rate 3rd corr), none may be necessary in Bengul

2nd levi-Cores, nead quarters Allinable

Busded into erz district commands, viz -1, Verut, 2, Agra, 3, Gualar, 1, Robil Lhand, 5, Oudh, 6, Allababad—cach contam 36 Inttalions (12 British) 12 cavilry regiments (3 British) ing 6 battalions and an average of 2 cavalry 23 Latternes regiments uide rom it! « below

The artillery are distributed as under on the same principles as before stated -3 horse brittenes, Meerut 1 garrison brittery, Delhi 1 heutenant colonel, Merrut 1 Meerut district, 4 Inttenes (2 held butternes (1 garmson buttery, Agra (1 colonel, 2 heutenant-colonels, 2 Agra district, 5 hatteries 2 fald butteries, Cranpore Agra and Camppore (2 field butteries 1 herry buttery, Moru 1 gamsonbuttery, FortGwiller 2 hell butteries, Bureilly - 1 Lieuterant-colonel, Morar 3 Gwaling district, 4 brittenes 1 houtenant colonel, Barcully 4 Robibliand district, 2 batteries (2 herse butteries, Lucknow 11 colonel 2 heutenant colonels, Ondh district, 5 batteries 1 garrison batters, Luci now 2 field batteries, Lyzabad Luci now and Tyz thad Allahabad district, 3 batteries 2 field batteries
 1 garmen battery, Allahabad 1 heutenant-colonel, Allahabad Total 2 colonels and 8 houtenant-

colonels, agamst 3 colonels and G heutenant colonels as at present

Remail as 2nd army copys—Thus copys, occupying, us at door, a powtion in the heart of the month in protein part of lands much be strong at a view, for the cours reson, brible to be called upon for troops to replace or remoteres those of surrounding copys. The preparal drauges I have made in order to secure peetly nearly equal commands we—darry, transferred to a distinct of its own, which includes Campore the histories ratios and its one he design connected by any attribute the Agray candidates, a line as being made through Theigrath to Hattres. Gaving gives up Ladipur, which is up to the Med Marten Danvisco and not in Garbane terration. The Milholind direct losses 15 m the North Western Provinces and not in Gunkar territory. The Allahibrd district losss If it the Acres research receives such use in Common extension, and almost use of Commons and it is an Bundellahand. Meend, being pruncipally a exactly station, can afford held a halfalken to Della, meteral of Rorskey, it is much mercer and on the rul. Sitingan does not require artiller, or infants, it is close to Luckson and Shvilyshouper a cavally regiment there can join the higgede at Lucknow in the cold weather. Adhering to the principle of never breaking up a regiment between two different commands, I have put the British infinity at Benares to supply Nowgong and Change As regards 103 of artiflers, the house artiflery are collected at the chief calairy structus,—

Meerut and Lucknow The butteres at Gardian are all

b 10 Morar The two field butternes butberto at Meerut are distribuiled to Agra and Compace, so as to brate to a teach attent to the teach the three to the repeated to Agra and Compace, so as to brate to a teach attent. Detar berried, assummediate may be required at Agra. I think there is except at Compace in the large infinity berried is Horest there are not equal to qually made. Sumbrid, the field builtary it Sitiopia goes to Branch. I doubt it burnered there is not equal to qually and Allahabed. There is plently of room it the latter stitus—possible of 11 yields. Nowegong I have builded at a mallilery at them, whatter is suitary however when the in 11 yields. Nowegong I have builded at a mallilery at them, is hatter is suitary however when the in 11 yields. Nowegong I have builded at a mallilery at them, is hatter is suitary however when the in 11 yields and best described, beaders in supervise to get buildened to the complete and the complete of the three three the suitary and the complete of the three thr

we have to remember the calls that may come on this corps for troops—as in the event of the arms corps being content of the country, or to replace others, even if but one corps was sent on service

TED APUY-CORPS, MEAD-QUARTERS BORRES

Dux led toto are desired constands, var Troops M battalions (9 British) 1, Sind and I rontice (to include Pislun), 2, Rapputana, J. Northern, J. Central Indr., 5, Central, 6, Southern—12/c remarks below. 10 e valo (1 British) 22 latteries narge of 6 battalions lo en h district Aden is

The artillers are distributed as under on similar principles to those of the other corps, are --

1 heutement colonel, Piclim or Qualita 2 Page 1 and de tret, 2 latten s 2 field hattene , Award ad 1 begtenant-calonel the rided and Breds," I١ Notion detect, 3 lai anes Don, 1 feld latery Right 1 man dam latters 1 heatermi colonel

unitable of oh, tel bit redsellent oring

1 Regiment Native infantry

4 Central India district, 3 bat f Mhow, 2 house batteries }1 heutenant colonel Amach, I heavy battery terres Kharl 1, 2 field batteries I colonel, 8 heutenant colonels, Ahmadungar, 2 field batteries 5 Central district, 7 batteries Kharka, Nagar and Bombay Bombay, J garrison batteries Southern district Aden, 3 garrison butteries 1 heutenant-colonel Adea brigade, 3 batteries Total staff, 1 colonel and 8

heutenant-colonels, agrunst 4 colonels and 5 heutenantcolonels as at present Remarks as 3rd army-corps — Here the British infinitry, instend of being half of the Native, is only one-third but there are good reasons for this, and with the railway communications existing or in progress more is not required. The first district, Sandh and Frontier, I have made to include Quetty

> Quelto 1 Gurnson battery

and Pishin the garrison I suppose to be at-2 Regiments Suidh Horse

1 Tield buttery Some companies of infantry Jacobabad-I Mountain buttery I British infuntry (or at Quella) 1 Regiment Sind House

2 Native infantry Hyderabad-L British infrutry

1 Native infantry Киггаспес-

The same, and field buttery Thus this distant, could said to the frontier-

3 hattenes 3 reguments of cavalry 7 regiments of infinity

I have talen the field bettery from Namach and placed two at Nasarabad, head-quarters of Rappathan district, one regiment of Bombay evoluy to Dools, instead of a Bengal one, which goes to Guna The miantay of the district to be composed of one British regiment and one Native at headquarters, Mharswar Battalion, Ajmere, Erunqua Infantsy, Erunqua, and Meywar Bhil Corps at Kharswara, total five battahons - The Dech Irregular Force I suppose broken up.

The northern district, as it is at present

In the Central India District, I get two horse battones together at Mhow, with one British cav-airy regiment and one regiment of Central India Rouse from Gama, the heavy britisty to Numeds on they regulated that the experiments of the many above and a sure a consistency of the real and related from yell as someting, the other regulated of Central India House at Agai can be briggished in the cell worshive with thes catalogy at head quanteer. The infinity was one British regulated in Micro, with two companess it Mismach, one Nature affaulty at Milon, Nimach, and Minindjum, Bunjal Bettalion at Schowe, total five intuitions. The Malain Eined Corps I suppose broken u

In the Central district s s, partly the present Punn division and Bombay, I place two field bat-teres, each at Khesta and Ahamelangus, three garmous for Bombay definees. The caralys as at-posent at Punn and Sirur. The schirtly, one Parish and two Nature unfainty at Punn, had a Bertialt and two Nature of Bombay and said a British at Ahamelangus, total was bettliness. The Schillows district, which compress part of the present Punn vitrous and the Belgeum, dis-

trict has one British and one Nature infantry regiment at Belgrum, one Nature such at Shofiyur and Dharwir, and one between Kolkapur and Sutara, total five — I have withdrawn the field hittery to Kharkı

The Aden Brigide to have three graison batteries 107al artiflery, which are, in my opinion, more than enough at present one Butish and one Native infantry regiment

2 horse 10 field The total of batteries is made up of 1 heavy 2 mountain 7 guruson

There is no change in the artillery strength except that one more garrison buttery is added to Bombay. The cavalry are also the same, except that the integralar levies of Deali and Empirer are not required. The British infants y is not reduced, except that a britishian more is on the Sindh Proptier and one less at Puna

The present number of Native bottahous in the presidency, including all local forces, is-

36 Regulu regiments 1 Mhurwara Battahon 1 Bhogel Battahon 2 Bhil Corps 2 Corps (Deoli and Empura) in Rappatana

Total 36

According to my distribution, only 27 Native regiments are required, therefore 9 cm be reduced 411 ARMY-CORPS, HEAD QUARTERS MADRAS

Tycone 36 Buttahons (8 British) 8 Cavalry (1 British) 16 Bitteries

Dreided sufo aix district commands vir I, Central Provinces, 2, Hardersbad Subadiary Porce, 3, Harder rabed Contingent, 4, Northern, 5 Mysore, 8, Southern—with 6 battahens in each vide remarks on next page The artillery are distributed as under on the same principles as before -

Staff Krmpti 2 field butteries }1 heutennut colonel 1 Central Province district Sagor, 1 field battery 1 colonel, * 2 heutenant-2 Hudershad Subadenty Force Secondembad {2 horse batteries colonela 3 field briteries † 3 Haidaral ad Contingent \{\text{Madris 1 grimson battery}\} \text{St Thomas Mount, 2 field batteries} l hentenant colonel Northern district Bangalore 2 field batteries
Bellary, 1 heavy battery 1 heutenant-colonel a Mysore district Arl 6 Southern district

Total of stuff 1 colonel and ă heutenani-colonels, against 3 colonels and 6 lieutenant colonels as at

Remarks on 44h army corps - The new districts of this corps are formed as follows. No 1 embriess the entire central provinces No 2 the present Hudardvid Subsidiary Porce, which includes the city and suburd of the Nizam's capital, No 3 the Nizam's territory including the Berris, No the city and subset of the Nazum separed , No 3 the Nazum's territory including the Berrys, No 5, the new Northern includes the old Northern (instell by presidence househorse) with nearly all 6 present Central detroit. No o includes the present All sureduction, Coled distinct, and South Kanary, No 6, the new Southern mediades present Southern and Valuber. The above gives an equal diamon of the unfaint, The evoluty on only reparend in three distincts. The Birtist's can stir grammet at Bangdiere I have supposed reduced, Jecanes if one regiment be enough for Bombay, sixtly, it is for Madria. The thirt is it is not repared especially 48 magdies. The other consist grammet in the Gordhern district, they evold receive in 1 for hard rison St. Thomsel Mount. Here are the field left. The strength of the strength Plating Art Chilly mount so one Dallars make the agent account of the one of the Beller, where it is not required I have the reme infatity force there is no separate to the British and two Natice under it. The feel's therefore is four betteres three existing, and make the allary to the content that is a Natice State the Husbard all the contagent should not be stronger then the assistancy force. At present it comprises four betteres, four evilar, and are ministry regiments. I nead therefore propose the reduction of the face by one hadrey and one cavalry regiment

eather regiment.

The Mysore durson at present is absurdly small as regards (roops. I have therefore included in
the new Mysore distinct the present coded distinct. (e.e., Mellary) and the small previous of South
Annur, continuing only one regiment at Mangelore, to all ich there is a road from Mysom. This new

district will have-



The new Souther district contains a very quest, nowards epopulation, except on the next count in Modelar. Here I also be below the ment of the offer estatems have better matter from the ment of the offer estatems have better matter from the first property of the ment of the offer estatems have been contained as matter as the ment of Mount and Coling. The present

riters district is at surd, the proposed one will have three bitterns and six battalions. Cutt ik at 1 Sa il alput go to the 5th corps (Bergal and Burns)

I Cutril Promes district is a complete end province, and undues Sign, Julique, and right. As the fit of the statutes well the rail and at time distance from any other artill return I have a field latter, there is no being at hampies, as already stated. I cannot see how le tgrih M less requires my more troops than I have given

Il is suit (no only strength in the prosidence is as under, including all troops but excluding him and him to be considered separately—

Briti h cavalra I role I mf out to S (a cluding I at Sagar and Jahahar) Bi+ 19 (seel thing ! Native of the Ha darthed cents gent) R gula Notne cardin Regular marates 3. (excluding 6 regiments in Burma and Cutt cl.) Harlar Int Conting at Seath ") r ramber top und la ma al ram, are JC Pattehor of Brut M

Stale (I Bri b) Il fatt me (2 \ mi) e't y ret en col tie Hand whod C innecet (1355)

Therefore-

1 British evalry (of the contangent), 1 Native caralry

3 Batteries, (I field, I garmson and I Native field),

13 Native infantity,

en he reduced. The field lattery is neterally so as one went to the frendra H I and has been trans-tered to Bengal I question in making the reductions here inducated whether it would not be well to substitute six of the regular Madras Nature infinity for the Hydershall regiments of the contingent disbanding the latter, which would only leave seven of the Madras regiments to be reduced

Stif Army Corps, head quarters Calculty

Decided unto for destruct to intends, viz -1, Western Bengul, 2, Presidency, 8, Assum, 21 Battalions (a British) 4, British Burma uide remarks below No car alry 9 Batteries

The artillery are distributed as under-

Staff Description 1 field battery 1 Western Bengal district 1 battery 1 garnson butteres, Bunickpore 1 garnson buttere, 1 ort William 1 Mountum or Durgehag 2 field butteries, Burnekpore 2 Presidency district, 4 batteries

Assam Rangeon, I garrison battery
Thayetmyo, I mountain brittery
L garr son brittery British Burma district, Tonghoo, I mountain britiery 2 garmson battery

Total meluding the colonel communding royal artil-lery of corps, I colonel and 2 heutenant-colonels. as agrunst 2 colonels and

3 houtenant-colonels now

sanctioned The buttery at Dinapore is a necessity, owing to the large Native city of Patin. The field batter es at Barr close I lock upon mose as a remioreement for B uma them as locally required. One might be stationed at Hazambagh which is codes and herithics. The mountain battery at Danjeeling would be kandy if wanted for the Castern Fronties. At present, if a battery is required it has to come all the way from Jalogh or Aharra Galli. Four batteries we sufficient for Burme in ordinary

Renarls on bit cops — The true corps command is exceptional in every way, and does not require such a large ger ison as any of the others. The only existly regiment at present in the requie made a large gar learn as my of the others. The only exactly regument of precent in the centrery made led by the corps as or at Signal. If there he is protected to depect in Leging it these, I think it engels to be absolved in the last a fad coaps. The fire fluid at infinity regiments are as at present—one at Dumpote, Let William, I im Dum and Rungson, and brit it. Brystings or at present—one at Dumpote, Let William, I im Dum and Rungson, and brit it. Brystings or at present—one at Dumpote, Let William, I im Dum Dum and Rungson, and brit it. Brystings or the program of the three controls are the compared to the statement of the compared for the statement of the statement tie 12nl, 13rd, and 44th Bengri Native Infantry This lesses sexteen to be provided for, of which 10 are available from the Bengal army

The total number required for the 1st 2nd, and 5th corps being 24 + 21 + 19 = 67, the regiments of the Bengal army we-

15 regular Native infinity 5 Goodh's reguneuts 11 regiments Punjab Frontier Porce Total 61

This leaves six battrilions still winting for the 5th corps. I propose then to take this number of regiments composed of volunteer from the present Madris army or Hudanabad Contingent and I con them for service in Bu one and it Cutizel, and Sambulpur The Native officers and men could always get furlough to their homes in ordancy times of perce

General on many of troops required under the proposed rele to Cutality Infaniry Artillers Horse 7 Tield 12 Butsh 3 British l'ú army-carps, Punjab 1 Heavy 24 Native . 15 Natne 6# Mountain 5† Garnson Total 36 18 21

ã

Appendix IV	,	1000 /	
	Infantry	Cas. bry	Art He y 5 Ho sc
2nd army corps North Western Provinces and Bandelkhand	12 Br tish 24 Native	3 British 9 Native	12 Field 1 Hervy 5 Garr son
Total	36	12	28
8rd army-corps, Bombay Presidency and new Prontier of Sizid	9 Britsh 27 Native	1 British 9 Natavê	2 Horse 10 Field 1 Heavy 2 Mounta n 7 Garnson
Total	36	10	22
4th ermy come, Madras Presidency and Central Provinces	8 British 28 Native	. 1 British 7 Native	2 Horse 124 Fald 1 Heavy 1 Gurnson
Total	36	8	10
5th urmy corps, Bongal Proper and British Bur ma	5 British 19 Native	} #u	8 Pield 2 Mountain 8 Garrison
Total	24		
Grand Total {	48 British 122 Natave	3 British 40 Nativo	14 Horse
	168	48	93
	About 138 00	at average	or 414 field and mountain

guns, &c shength The total of treeps of all arms now in India, including those corps not under the military autho ntes

s, are—	Infactry	Cavalry	Artillery 15 Horse		
Brdash Native	50 <u>1</u>	9 50	B		
	194	59	100		

Comparing this with the foregoing statement, the numbers that can be reduced in each arm are-

	Infantry	Cavalry		Artillery 1 Horse
British Native	4 200 200	1 10	$\{^{\rm B}_{\rm N}$	2 1 Field 3 Grenson
	26	<u> </u>	-	7

The reductions which can be mode are shown in each carps—but I shall not touch on the particular troops amongst, the Nature carvity and infantry which should be dishinabed, forther than to any third than regarder regiments should be speared usually as possible set these now moder the mid try authorite. The following well of course in waver not be touched our the Paraph Toutier Lores the Central I de Alersee the Disput Battalons and to all uncern Battalone Romag all uncern Battalone Romag all uncern Battalone Romag all uncern Battalone Romag all uncern Battalone Romag all uncern Battalone Romag all uncern Battalone Romag all uncerns Battal

[&]quot; Both Astire + 3 Act to of Ha dunhad Contingent. This is, I believe the normal number, but it is not quite reliable

1357)	[Appendix	IV

one field. As regards artillery commands the number of colonels and heutenant colonels to hold noftin

1 000	mmatids are→	
	Colonels (to have rank as bugadiers) for first four army corps	4
	Colonel for the 5th corns	1
	Calonels for district commands	6
	Colonel as inspector general of artiflery	1
	Cototto an implease. Porman an anni-	_
		12
		_
	L entenant-colonels for districts and stations where two or more battal one are	
	Incated	31
	Lacutenant colonel as deputy adjutant-general, royal artillery in India	1
		32
the	deputy adjutant general as a full colonel-	
	Colonels	13
	Lacutenant-colonels	31
	Total	44

or of

Localization of treops in army corps - Having thus roughly shown how the troops of all arms could be distributed in my opinion with efficiency it cents to me necessary to have one system of parameters (localization which will enable Neture regiments to have depth for returning when a person of the corps is absent on service. The only plus I can see which will enable the results required and give no trouble when mobilization in the place is to have double lattitude magnification. requests and give no trouter when measurement have place as to have double existing regiments of mininty and to associate the examply in groups of two requirests also to keep the double behindly inguients permanently in their own corps command, such as now holds in Bembry and Matrice I endones participation of the land of the l castes, v # ~

as against as at present I believe

I Goorkhas 2 Sulhs 8 Sikhs and Dogras 4 Punjabi Mossulmans 5 Trans Indes Massulmans 6 Brihmms and Rapputs Purbials of various Hindu castes. 8 Hindustani Mussulmans

By having the regiments' belonging permanently to army corps, reliefs would only take place will in the boundaries of the corps, which would I think lessen expense. The would keep the army in separate localities and prevent any feeling of amalgamation between them which perhaps is an object.

segments locations and present only storing on among microns accorded when the most present a law origine.

I will briefly shooth what an accogn way it should propose for the lat army corne (the Pumple).

Taking these the present local regiments of the Frontier Force and the Lis and 4th Goothkan which are permanently better I would sheet the following Pumpler regiments for the permanent for the trust and force required to 1 this both 21st 25cd 25th 25th 25th 25th 25th 33nd and 45th Native unfautry, as them, notify Pumpler. The remaining Pumple regiments would I are required in List de organism as mixture against tile Hindustini regiments and because there is no need for them in the 1st corps

I would arrange the above in double battahous as under, with one battahon to be all age stationed at the depôt named, and the other anywhere in the army corps territory. Both battahons would of course take their turn of the depôt, but both should never be there together

No o Nos of Regresents	Old No:	Bepot station -
1st Goorkhas	let and 4th Goorl has	As at present
2nd Guides†	5th Goorl bas and "Guides"	As at present
3rd Sikhs	14th and 16th S LI s	lerozour
4th ,	27th and 45th Native Infantry	Amballa
5th Punjab Infantry	21st and 22nd Native Infantry	Ranal Pindi
6th	23rd and 32nd Poncers	M un Mir
7th ,	24th and 25th Native Infants	Jhelam
8th Silbs	lst and 2nd Sills, Punjab Tron	Kohat
	tier Porce	
9th ,	3rd and 4th Sikks Punjab Fron	Multan
	faer Porce	
10th Punjab Infantry	1st and 2nd Punjab Infantry,	Bannu
	Punjah Fioniter Force	
11th ,, ,,	3rd and 4th Punjab Infantry,	Dera Ismail Khan
100	Punyab Front er Lorce	
12th ,, ,,	. 5th and 6th Penyab Infantry,	Dera Ghaza Kalan
	Punsah Trontier Torce	

^{*} hat so only of come. Befulk regimen's and kulteres med be so at present

I is contanger to have of a regiment's a new reg ment of Goodhingcod's be formed from those now in turnous
regiments. The could be a 6th betichner and bron with the 5th the 3th Goodhin Rennest. I t army cope the Guides forming another battahen with any one of the above named requires one regiment being reduced

I lime estected the above stations purily on account of the authority of the regiments at each, and partly to their being convenient places for grasson topic to be left behind when the field topic went on service, and olithough the field regiments can not all in Sich districts, they could make such currently patter, so at present, into the districts from which men might be obtained. I think it would be a great object for regiments to feel that they have a permanent depôt, and to know beforehind where that depôt would be in ease of win

Nor the above system being supposed in existence, I will imagine the order come for mobilizing a whole way, corps (the same panesples until apply to a division as buyerds) in the Pumph Hobit above of corps—To do this we must take that come when of note it corps, division or biggolo in to be, and I think he should an inculy as possible follow the English model, which is based on that of all modern civilized armies, and consists of-

(3 divisions of infantry 1 brigade of carriry corps (90 guns, engineers, firm, &c (2 brightes of 3 bettithons 1 cavilry regiment
1 infantily hattahon*
} for divisional duties ınfantry da ision 3 batteries of utility, 1 company engineers cavalry bugade ... 3 regiments, to which is attached 1 haltery of horse artillery. 3 field betternes to each infruitry division artillery 3 borse and two field with corps artillery 1 horse with envalry brigade a company with each division and some as come engineers engmeers alse

To adopt this to Index, we can select nearly the same number" and distribution of infantry and coverly regiments;, but as we should never have hattahous stronger than 750 each all round or envily with more than 450, the corps of eighteen battahons and six carely regiments, with engineers,

evairy visit more than 2011, the corps of explices nationers are seen viry exponents, with segments, & a visit more than 2011, the corps of explices national final, describe, every gone of the nature required, not following the English order, would be sufficient in India, and the zero of the corps also-geths a quick place councils, considering the economics begind for our time to the corps also-geths a quick place councils, considering the economics begind for our times of a corps and services. Supposing, then, the above to be the cell real order denormal strength of a corp in service, our placed copy is could have be supply can are individually albeit-loss are everily exponently attracting a vary going of services. Supposing the companies appear the divisional britishness in an Longitude copy analog the total number of series, the companies appear the divisional britishness in an Longitude copy analog the total number the control of the companies are present the control of the companies of th more than each of the Indus locations can be sould furnish unbook trending on the grainson troops. It will therefore be more convenent to have only the minuty of the tirunous, or , as britaines only, or 15 for all Of the minuty, I would propose that are British and incley Native buttless and two British and four Native envalvy regiments be the ordinary proportions for the 1st and 2nd

corps, which would be one British regiment per bingede.
The above I cong settled when the order to mobilize the corps for service is given, one battalion of coch Native regiment stands fast at each dejôt sithen, and at once completes the other latitudes to win strength, sending out recruing parties to replemen its own truks. Duch distinct completes to her except a state of the controlling parties of this pagents is the own trains. Then a strain examines the controlling trains a first pagent of the controlling trains and controlling the controlling trains and controlling tra Native britalions instead of one British and two Native. Thus the names of all stations to supply buttalions can be laid down beforehand and published in a mobilization scheme in the Army List or General Orders, something in the same way as at home, but in a much more methodical and systematic

Parsuing the subject of keedwation further, and supposing the cavalry regiments also grouped in

pairs as under (there, however, need not be re-numbered but contains then old titles, or) -Deput station at which one of the two roust Number of regiments

always be 1st and 2nd Ponjah caralry Ваушрии. ìή 3rd 4th 12 5th , 18th Bengal Dera Ismail Khan. (8) 10th ,, 11th lancers Salket 22

(c) 1001 /1101 /n marsts
(D) 15th n 15th n n Ambells
(12) 15th n 15th n everity Multa
(12) 15th n 15th n everity Multa
(13) 17th n 19th n herers
These, with the Guides Gwalry, male up the 17 Nature 120 mosts in the corps
This streams to amply the everyly legands and the chaussoal evolvy could be stronged in the
emo way to the infruitry, thang cure, of course, to let depth arguments, s.e., those which happen
to be at death strong elements. to be it depôt stations, stand fast

As regula striller, noting our be settled, as the retune of the operations must govern the nature of the brittenes required, but there could be no difficulty where only some ten interess would be required out of numbers here, field, heavy and mountain at the corps

Next, is to emintering the garrann of the Purpt, the early statums left without British infinity would be Amil all; and Idultan at the forms would be left one British cavily, one Nature cavily, one Nature early one Nature metury. The let and End dartnets would the next of the British cavily one Manuscript of the British and product the small cavily one Nature manuscript.

For the reasons redeequantly dated, the do, s or all minutes say must be writted be archived
f. One compare of any pers and natures to each distance and two companies for copie organizers would be cample unless
under person or m of race; This regiment unglit be made into lancers at a partially so -3/3

(1359) Appendix IV

one division of infinity, it, two Bittish and four Native limit thous, these would suffice to replenels the weakened stations of any importance in the left capies, the last and 2nd or left and 1th districts of that corps could varily do so, and still live at the gravious stonig money.

Listly, as to commands, I would allow each distinct communder to talk his own brighten in the

such that the companies a lower and the control of the control of the first of the first of the control of the (one division of infinitry) would be in the territory of the lat, its head-quirters might be moved temporarily to Umballa to be central

The above a rough state of meganization, or some such, which I think might be introduced with drantige as offering greater facilities for mobilizing toops that the present one. If every thing we explice of being arranged beforehand, it would said much to efficiency. Without some

organized system this is impossible

to game to specify the appearance. The same med of a highest the size of course applicable to all the regards expense, I thank it would be for less than at present. The abolition of presidency communds, and hiving a nearly uniform destricts system, with a staff condumn lock dishest of objinish and in the presidency of the staff condumning both dishest of objinish and in the staff condumning both dishest of objinish and in the staff condumning both dishest of objinish and in the staff condumning both dishest of objinish and in the staff condumning both dishest of objinish and in the staff condumning both dishest of objinish and in the staff condumning the staff of the staff condumning the staff of t quarter master general's department, will, I am led to believe from rough calculation, produce this result, spart from the reduction in the number of troops as shown herein

> P Friz GALLWEY, Major, Rojal Artillery

The 6th September 1879